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SESSIONAL PAPERS

VOL. LV—PART IV

FOURTH SESSION

OF THE

FIFTEENTH LEGISLATURE

OF THE

PROVINCE OF ONTARIO

SESSION 1923

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1923

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No. 6 Report of the Inspector of Legal Offices for the year 1922. Presented to the Legislature, April 9th, 1923. *Printed.*

No. 7 Report of the Inspector of Registry Offices for the year 1922. Presented to the Legislature, April 9th, 1923. *Printed.*

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No. 9 Report of the Commissioners for the Queen Victoria Niagara Falls Park for the year 1922. Presented to the Legislature, April 30th, 1923. *Printed.*

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No. 11 Report of the Registrar of Friendly Societies for the year 1922. Presented to the Legislature, May 1st, 1923. *Printed.*

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No. 14 Report of the Department of Game and Fisheries for the year 1922. Presented to the Legislature, May 2nd, 1923. *Printed.*

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No. 18 Report of the Board of Governors of the University of Toronto for the year ending 30th June, 1922. Presented to the Legislature March 5th, 1923. *Printed.*

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No. 22 Report of the Inspector upon the Hospitals for Insane, Feeble-minded and Epileptic, for the year 1922. Presented to the Legislature, May 4th, 1923. *Printed.*

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No. 24 Report of the Ontario Parole Board for the year ending October 31st, 1922. Presented to the Legislature, February 14th, 1923. *Printed.*

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No. 26 Report of the Inspector upon Prisons and Reformatories. Presented to the Legislature, May 4th, 1923. *Printed.*

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No. 32 Report of the Agricultural and Experimental Union for the year 1922. Presented to the Legislature, May 4th, 1923. *Printed.*

No. 33 Report of the Stallion Enrolment Board for the year 1922. *Not Presented.*

No. 34 Report of the Vegetable Growers' Association for the year 1922. Presented to the Legislature, May 1st, 1923. *Printed.*

No. 35 Report of the Corn Growers' Association for the year 1922. *Not Presented.*

No. 36 Report of the Entomological Society for the year 1922. Presented to the Legislature, May 1st, 1923. *Printed.*

No. 37 Report of the Beekeepers' Association for the year 1922. Presented to the Legislature, May 1st, 1923. *Printed.*

No. 38 Report of the Dairymen's Association for the year 1922. Presented to the Legislature, May 1st, 1923. *Printed.*

No. 39 Report of the Live Stock Branch of Department of Agriculture for the year 1922. Presented to the Legislature, May 1st, 1923. *Printed.*

No. 40 Report of the Bureau of Municipal Affairs upon Housing for the year 1922. Presented to the Legislature, March 5th, 1923. *Printed.*

No. 41 Report upon Women's Institutes for the year 1922. Presented to the Legislature, May 1st, 1923. *Printed.*

No. 42 Report of the Agricultural Societies and of the Convention of the Association of Fairs and Exhibitions for the year 1922. Presented to the Legislature, April 20th, 1923. *Printed.*

No. 43 Report of the Horticultural Societies for the year 1922. Presented to the Legislature, May 1st, 1922. *Printed.*

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No. 49 Report of the Hydro-Electric Power Commission for the year 1922. Presented to the Legislature, May 4th, 1923. *Printed.*

No. 50 Report of the Ontario Railway and Municipal Board for the year 1922. Presented to the Legislature, April 30th, 1923. *Printed.*

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No. 53 Report of the Librarian of the Legislative Assembly for the year 1922. Presented to the Legislature, February 9th, 1923. *Not Printed.*

No. 54 Auditors' Report 1921-22, pursuant to provision of Order-in-Council dated October 28th, 1909. Presented to the Legislature, February 26th, 1923. *Printed.*

No. 55 Report of Workmen's Compensation Board for the year 1922. Presented to the Legislature, May 4th, 1922. *Printed.*

No. 56 Report of the Commission to conduct inquiry into the truth or falsity of certain charges, etc., reflecting on the Administration of the Attorney-General's Department in respect of the investigation into the death of Captain Orville Huston, at Fort Frances, December 16th, 1921, etc., etc., etc. Presented to the Legislature, January 25th, 1923. *Not Printed.*

No. 57 Report on Osgoode Hall of the Commission to Inquire, Consider and Report upon the best mode of selecting, appointing and remunerating Sheriffs, etc., etc., etc. Presented to the Legislature, January 24th, 1923. *Not Printed.*

No. 58 Copy of agreement and contract with the United Press, Limited, in connection with printing for the Legislative Assembly. Presented to the Legislature, February 7th, 1923. *Printed.*

No. 59 Copy of agreement and contract with the United Press, Limited, in connection with binding for the Legislative Assembly. Presented to the Legislature, February 7th, 1923. *Printed.*

No. 60 Report of Commissioner under The Extramural Employment of Sentenced Persons Act, 1921, for the year ending October 31st, 1922. Presented to the Legislature, January 24th, 1923. *Printed.*

No. 61 Final Report of the Representative of the Province of Ontario, respecting the Lake Disaster Fund of Canada. Presented to the Legislature, January 24th, 1923. *Not Printed.*

No. 62 Return to an Order of the House, dated 9th February, 1923, That there be laid before this House, a Return of all correspondence between any Minister of the Government, the Civil Service Commissioner or any Officer of the Government and any other person or persons regarding the appointment of Allan MacDonald, formerly Assistant Crown Timber Agent at Fort Frances, in the Rainy River District. Presented to the Legislature, March 5th, 1923. Mr. McCrea. *Not Printed.*

No. 63 Report of Commission to investigate and report upon the accuracy or otherwise of all returns made pursuant to the Crown Timber Act, etc., etc., etc. Presented to the Legislature, January 24th, 1923. *Not Printed.*

No. 64 Return to an Order of the House of June 8th, 1922, That there be laid before this House, a Return of copies of all papers, documents, correspondence, cablegrams, reports and memoranda between any person or persons, companies or corporations, and any member of the Government in reference to the re-purchase or refunding of the loan or loans in connection with which A. H. Pepall was sent to England by the Government in 1920. Presented to the Legislature, January 24th, 1923. Mr. Ferguson. *Not Printed.*

No. 65 Return to an Order of the House of the 6th June, 1922, That there be laid before the House, a Return of copies of all documents, agreements, memoranda, correspondence and papers relating to the Rockfeller Foundation Gift to Toronto University, between the Minister of Education or any other Minister of the Government, or the President, or any other of the University authorities, and any person or persons whomsoever, with reference to the said gift. Presented to the Legislature, January 24th, 1923. Mr. Marshall. *Not Printed.*

No. 66 Regulations and Orders-in-Council passed since the last Session of the Legislature under the authority of The Department of Education Act or of the Acts respecting Public Schools, Separate Schools or High Schools. Presented to the Legislature, January 25th; February 7th; February 23rd; March 7th; April 6th and May 4th, 1923. *Not Printed.*

No. 67 Return to an Order of the House, dated 16th February, 1923, That there be laid before this House, a Return of copies of all letters, telegrams, papers and documents, evidence and reports in connection with the alleged accident of W. W. Calhoun of Sault Ste. Marie, together with the reports, recommendations, findings, rulings and decision of the Workmen's Compensation Board or any officials under their control or in their employ, and the same be laid upon the table of the House. Presented to the Legislature, March 19th, 1923. Mr. Dewart. *Not Printed.*

No. 68 Return to an Order of the House of the 10th March, 1922, That there be laid before the House, a Return of all correspondence, telegrams or communications between the Attorney-General, the Prime Minister or any member of the Government, N. W. Rowell or R. T. Harding, representing the Attorney-General, and E. W. Backus or any official of the International Lumber Company of Minnesota in connection with the action against the Shevlin-Clarke Company, relative to Berths 45, 49 and 51. Presented to the Legislature, January 26th, 1923. Mr. Ferguson. *Not Printed.*

No. 69 Report of the Agricultural Development Board for the year ending October 31st, 1922. Presented to the Legislature, January 26th, 1923. *Not Printed.*

No. 70 Supplementary Return to an Order of the House of the 25th May, 1922, That there be laid before this House, a Return of the Legislative grants for the year 1922 paid to the Rural, Public and Separate Schools, in the Counties and Districts and to the Urban, Public and Separate Schools in the Counties and Districts which, in accordance with the Provisions of the Amendment to the Schools Act, passed in 1922, were classed as Rural Schools, and received grants as such. Presented to the Legislature, February 1st, 1923. Mr. Cooke. *Not Printed.*

No. 71 Return to an Order of the House, dated 31st January, 1923, That there be laid before this House, a Return showing copies of all correspondence between George Bell, K.C., and the Honourable the Attorney-General in reference to the moving of the Ontario Government Dispensaries to premises adjoining the property of St. Andrew's Church, in the City of Toronto. Presented to the House, February 5th, 1923. Mr. Dewart. *Not Printed.*

No. 72 Report relative to the situation in the Thunder Bay District of Commission to inquire into and report on estimates submitted from time to time to the Hydro-Electric Power Commission of Ontario for the Queenston-Chippawa Power Development and also all estimates for the said work submitted by the said Commission to the Government of Ontario, etc., etc., etc. Presented to the Legislature, February 7th, 1923. *Not Printed.*

No. 73 Return to an Order of the House of the 26th April, 1922, That there be laid before the House a Return showing: (*a*) the total amount received by the Honourable the Provincial Treasurer or his Department, or any department or sub-department of the Government, during the months of August, September and October during each of the years 1919, 1920 and 1921, under the heading of Ordinary Revenue in regard to items mentioned. Presented to the Legislature, February 7th, 1923. Mr. Sinclair. *Not Printed.*

No. 74 Statement showing all sums credited to the Highway Improvement Fund and all payments chargeable thereto for the fiscal year ending 31st October, 1922. Presented to the Legislature, February 8th, 1923. *Not Printed.*

No. 75 Reports of Clarkson, Gordon and Dilworth upon the accounts of the Hydro-Electric Power Commission of Ontario for the year ending 31st October, 1920 and 1921. Presented to the Legislature, April 13th, 1923. *Printed.*

No. 76 Statement and Report of the Ontario Athletic Commission and of the Auditor thereof, for the year ending October 31st, 1922. Presented to the Legislature, February 23rd, 1923. *Not Printed.*

No. 77 Return to an Order of the House of the 7th February, 1923, for a Return of copies of all letters, telegrams, and all other evidence of investigation in connection with the alleged accident to one Mansford H. Clement, deceased, formerly of Orillia, Ont., and that a copy of the discussion of the Workmen's Compensation Board on same be also returned and laid on the table of the Legislature for inspection by the House. Presented to the Legislature, February 26th, 1923. Mr. Johnston (Simcoe). *Not Printed.*

No. 78 Report of the Board of Visitors, respecting the Homewood Sanatorium, Guelph. Presented to the Legislature, February 26th, 1923. *Not Printed.*

No. 79 Report on the Central Ontario System of the Commission to enquire into and report upon (1) all estimates submitted from time to time for the Queenston-Chippawa Power Development, etc., etc., etc. Presented to the Legislature, March 5th, 1923. *Not Printed.*

No. 80 Return to an Order of the House, dated 9th of February, 1923, That there be laid before this House, a Return showing the names of members of the permanent staff of the Hydro-Electric Commission of Ontario, who have been granted an increase in salary since January 1st, 1923, also showing the amount of increase in each case. Presented to the Legislature, March 21st, 1923. Mr. McLeod. *Not Printed.*

No. 81 Return to an Order of the House, dated 12th of March, 1923, That there be laid before this House, a Return (*a*) of all evidence and proceedings, including all exhibits and documents, as taken in the Northern Ontario Fire Investigation before the Fire Marshal of Ontario. (*b*) Copies of all correspondence carried on by the Fire Marshal of Ontario, counsel employed in investigation, and officials of Fire Marshal's Department with all persons, including the Government and the members of the Fire Relief Committee. (*c*) Copies of all correspondence carried on by the Premier, or any member of his Government, or his Department, relating to the said fire, and regarding the appointment of a Fire Relief Committee, including the appointment of said Committee. Presented to the Legislature, March 21st, 1923. Mr. Ferguson. *Not Printed.*

No. 82 Return to an Order of the House, dated 14th of March, 1923, That there be laid before this House, a Return showing in detail the estates from which succession duties came in 1921 and 1922, similar to the particulars published theretofore in the Public Accounts, and that hereafter such particulars be published yearly in the Public Accounts as has been customary. Presented to the Legislature, March 21st, 1923. Mr. J. W. Curry. *Not Printed.*

No. 83 Return to an Order of the House dated 14th March, 1923, That there be laid before this House, a Return of a copy of the report made by Harbinger & Allen, chartered accountants, of their investigation into the Department of Lands and Forests, and same to be laid upon the Table of the House. Presented to the Legislature, March 27th, 1923. Mr. Marceau. *Not Printed.*

No. 84 Report of the Ontario Provincial Police for the year 1922. Presented to the Legislature, April 6th, 1923. *Printed.*

No. 85 Return to an Order of the House dated 16th March, 1923, That there be laid before this House, a Return of copies of all estimates, cruises, explorations, maps and reports of every description in connection with the area north of Cochrane, received by the Government prior to and since the commencement of construction work on the T. & N. O. Railway. Presented to the Legislature, April 6th, 1923. Mr. MacBride. *Not Printed.*

No. 86 Return to an Order of the House dated 14th March, 1923, That there be laid before this House, a Return of dates of meetings held by the Board of Governors, Toronto University, since 1915, with the names of those attending such meetings. Presented to the Legislature, April 6th, 1923. Mr. Watson. *Not Printed.*

No. 87 Return to an Order of the House dated 16th March, 1923, That there be laid before this House, a Return of all applications for licenses to spear or net fish in Hamilton Bay for the years 1920, 1921, 1922. 2. List of names of those who secured licenses to spear or net fish in Hamilton Bay for the years 1920, 1921 and 1922. 3. List of names of those who applied for, and the names of those who secured special permission or licenses to spear or net fish in the spring in Hamilton Bay, during each of the above mentioned years, and the authority under which such special permission was given. Presented to the Legislature, April 6th, 1923. Mr. Halcrow. *Not Printed.*

No. 88 Report of the Public Service Superannuation Board for the year 1922. Presented to the Legislature, April 9th, 1923. *Printed.*

No. 89 Report of the Minimum Wage Board for the year 1922. Presented to the Legislature, April 12th, 1923. *Printed.*

No. 90 Report on Sandwich, Windsor and Amherstburg Railway and Windsor and Tecumseh Electric Railway of the Commission to enquire into and report upon: 1. All estimates submitted from time to time to the Hydro-Electric Power Commission of Ontario for the Queenston-Chippawa power development, and also all estimates for the said work submitted by the said Commission to the Government of Ontario. 2. The reason for increases from time to time in the estimates for the Queenston-Chippawa power development, etc. Presented to the Legislature, April 16th, 1923. *Not Printed.*

No. 91 Report of the Civil Service Commissioner of Ontario for the year ending 31st October, 1922. Presented to the Legislature, April 26th, 1923. *Printed.*

No. 92 Return to an Order of the House of the Nineteenth day of April, for a Return of copies of all letters, telegrams, papers, documents and reports in connection with the accident of James F. Devine, Cochrane, Ontario, together with reports, recommendations, findings, rulings, and decisions of the Workmen's Compensation Board or any officials under their control or in their employ and the same be laid upon the table of the House. Presented to the Legislature, April 20th, 1923. Mr. Marceau. *Not Printed.*

No. 93 Return to an Order of the House of the Nineteenth day of April, for a Return of all letters, telegrams, papers, documents, and reports in connection with an accident to Eugene Seguin, North Bay, working with his father for Michael Dweyer, who is a sub-contractor of Mr. Satchell, contractor for the Spanish River Pulp and Paper Company, together with reports, recommendations, findings, rulings, and decisions of the Workmen's Compensation Board, or any officials under their control or in their employ. Presented to the Legislature, April 20th, 1923. Mr. Marceau. *Not Printed.*

No. 94 Return to an Order of the House of the Nineteenth day of April, for a Return of (1) all copies of documents, papers, letters and correspondence in connection with the proposal of the Government that Spadina House should be used as the offices for the Workmen's Compensation Board; (2) of all documents, papers, letters, correspondence and minutes concerning the refusal of the Chairman of the Workmen's Compensation Board or the Board to have the staff under the Workmen's Compensation Board placed under the Civil Service Act; (3) of a report setting out the number of pay roll auditors in 1915 and 1916, and of the number of contributing firms in each of these years respectively; and also of the number of auditors in 1922 and the number of firms contributing in that year. Presented to the Legislature, April 20th, 1923. Mr. Dewart. *Not Printed.*

No. 95 Return to an Order of the House of the Nineteenth day of April, for a Return showing all the different tables used by the Workmen's Compensation Board for computing Pension Reserves, with the dates during which each table was in force and copy of the minute or resolution adopting new tables at any time with the date of such minute. Presented to the Legislature, April 20th, 1923. Mr. Dewart. *Not Printed.*

No. 96 Return to an Order of the House of the Nineteenth day of April, for a Return showing copies of all correspondence, telegrams, reports of investigation relating to the claim 264,504, made to the Workmen's Compensation Board for injuries received by C. J. Halliday whilst employed as foreman carpenter by W. J. Fletcher, as well as all correspondence, reports, etc., dealing with the subsequent demand by the said Board for fees from the said Halliday as an employer of labour. Presented to the Legislature, April 20th, 1923. Mr. Tolmie. *Not Printed.*

No. 97 Return to an Order of the House, showing copies of all correspondence, telegrams, reports or recommendations relating to the removal from office of Fortunat Cadieux, Bailiff of the First Divisional Court, County of Prescott (county town of L'Orignal), and the appointment of Albert Rochau in his place. Presented to the Legislature, April 20th, 1923. Mr. Evanturel. *Not Printed.*

No. 98 Report of Mothers' Allowances Commission for the year 1922. Presented to the Legislature, April 30th, 1923. *Printed.*

No. 99 Return to an Order of April 19th, 1923, for a Return of copies of all correspondence, reports, documents and papers between the Workmen's Compensation Board and the Public Works Department, or any other Department of the Government or persons, and between any Department of the Government and the Workmen's Compensation Board or any person or persons, in connection with the death of Harry S. Scott, and payment of any moneys to the widow of the said Harry S. Scott of Orillia, and any ruling of the Treasury Department. Presented to the Legislature, April 30th, 1923. Mr. John A. Currie. *Not Printed.*

No. 100 Statement on distribution of Statutes. Presented to the Legislature, May 1st, 1923. *Not Printed.*

No. 101 Return to an Order of the House of 16th March, 1923, That there be laid before this House, a Return of all applications, recommendations, letters, telegrams, papers and other correspondence having reference to the appointment to positions in the Algonquin Park, of the following:—E. C. Brewer, G. A. Holmberg, F. Lovesey, M. Newell, C. Ryan, T. Saraza, D. Stringer, A. Grant, W. A. Mooney, J. P. Foran, P. J. Gervais. Presented to the Legislature, May 2nd, 1923. Mr. Marceau. *Not Printed.*

No. 102 Return to an Order of the House of the 14th March, 1923, for a Return of copies of all letters, telegrams, recommendations and other correspondence having reference to the appointment of Mark Robinson as temporary park superintendent of Algonquin Park, and to the proposed appointment of the same person as permanent superintendent of Algonquin Park. Presented to the Legislature, May 3rd. 1923. Mr. Marceau. *Not Printed.*

No. 103 Report of the Soldiers' Aid Commission for the year ending 31st October, 1923. Presented to the Legislature, May 4th, 1923. *Not Printed.*

REPORT

OF THE

Minister of Public Works

FOR THE

Province of Ontario

FOR THE

TWELVE MONTHS ENDING 31st OCTOBER

1922

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

TORONTO
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1923

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To His Honour Henry Cockshutt, Esq.,
Lieutenant-Governor of the Province of Ontario.

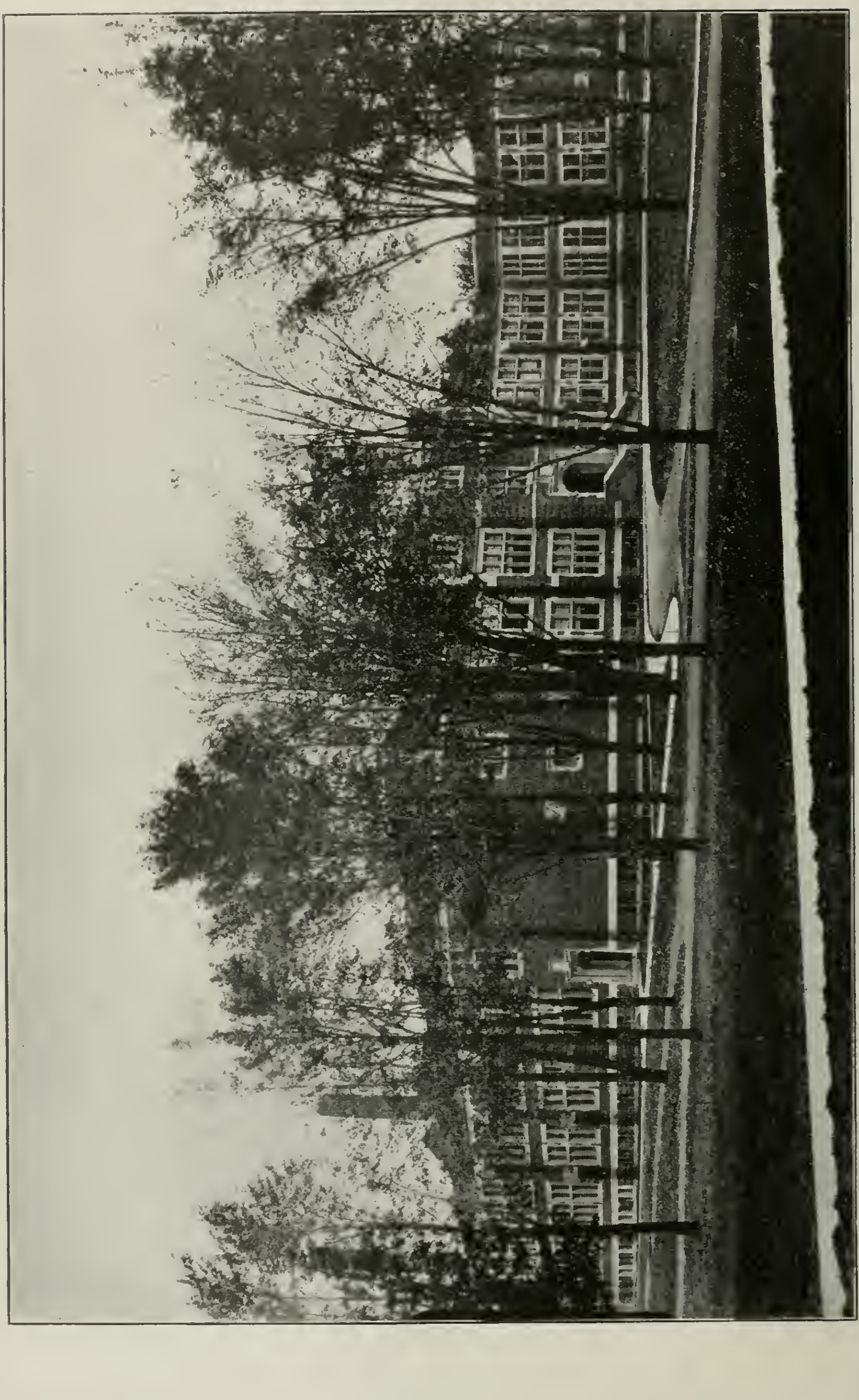
May It Please Your Honour:

As required by law, I submit for the information of Your Honour and the Legislative Assembly, the Annual Report of the works under the control of the Public Works Department, comprising the reports of the Deputy Minister, the Architect, the Engineers, the Accountant and Law Clerk, for the twelve months ending the 31st of October, 1922.

Respectfully submitted,

F. C. BIGGS,
Minister of Public Works and Highways.

Department of Public Works, Ontario,
Toronto, February 13th, 1923.



Side View of New Main Building
Ontario School for Deaf, Belleville.

REPORT

OF THE

Deputy Minister of Public Works

TORONTO, February 13th, 1923.

HONOURABLE F. C. BIGGS,
Minister of Public Works and Highways, Ontario.

SIR,—I have the honour to transmit the annual reports of the Provincial Architect, the Provincial Engineer, the Secretary and Law Clerk, and the statement of the Accountant of the Public Works Department for the fiscal year ending October 31st, 1922.

Several important public buildings were completed and others were under construction during the fiscal year.

The dairy building at the Ontario Agricultural College, Guelph, has been completed and equipped with the most modern appliances for the manufacture of dairy products and to give instructions in all kinds of dairy work, from the best farm operations to the largest commercial dairy.

The new Veterinary College building on the grounds of the Ontario Agricultural College has also been completed and supplied with everything necessary for instruction in veterinary science and to fit its graduates to give the public efficient service in their practice.

The old Veterinary College building on University Avenue in Toronto has been altered and made into an excellent departmental office building for the Department of Highways Administration Building, bringing the staff of the whole department under one roof and co-ordinating all the branches for most efficient operation. The space vacated by the Highway Department has relieved the congestion of the departmental offices in the Parliament Buildings.

Two new buildings have been completed at the Ontario Hospital, Whitby, for the care of 206 acute patients, 103 males and 103 females; also new laundry and industrial buildings.

For the Department of Education the most important work has been the construction of the main building at the Ontario School for the Deaf, Belleville, which includes administration, class-rooms, auditorium, dining-room and kitchen. This building is nearing completion and will be a credit to the Province for the meeting of the convention of the Association of American Instructors of the Deaf, to be held in Ontario this year.

At the Northern Academy, Monteith, a new school building is in progress and will be ready for occupation at an early date.

A new Court House at Sault Ste. Marie was completed and occupied in the month of May last.

On the 4th of October, 1922, a disastrous fire that occurred in the Temiskaming District destroyed the District Court House and injured the Land Titles Office; the latter was quickly repaired and occupied in a few weeks after the fire. Temporary accommodation has been provided for the district officials in the Public Library building in the town of New Liskeard.

The Engineering Branch of the Department gave attention to the rebuilding of a very large number of bridges and other works that had been neglected during the great war, the most important being the locks at Port Carling, which have been renewed, together with the wharfs and docks, the dam and bridge having been constructed in a permanent manner. The most important of the bridges constructed were Pearson's Bridge over the White River in Temiskaming, and the Cascade Bridge over the Seguin River, Parry Sound; 188 bridges were constructed and 93 repaired during the fiscal year.

Contribution was made to the Federal Government of $38,333.33 for the Provincial Government's share in the construction of the bridge over the Ottawa River below Chaudiere Falls, between the cities of Ottawa and Hull; the Province of Quebec contributing a like amount.

The sum of $140,000 was paid through the Department for the Provincial Government's proportion of the excess costs over normal costs of works carried on by municipalities to relieve unemployment during the winter season of 1921-22.

Sixty-five thousand six hundred dollars was given to municipalities in aid to further schemes for the construction of drains in several parts of the Province under the Provincial Aid to Drainage Act, and $25,000 was expended in drainage works in the unorganized districts.

The Accountant's report gives the cost in detail of the expenditure by the Department of Public Works during the year, from which the following summary is taken:

Civil Government:		
Salaries, contingencies, etc.	$	76,457 85
Government Buildings:		
Maintenance and repairs		530,842 27
Public Buildings:		
Parliament Buildings, Hospitals, Schools, Court Houses, etc.		1,583,549 21
Public Works:		
Locks, Dams, Bridges, etc.		444,532 30
Drainage Works:		
Expended in unorganized districts		25,754 40
Drainage:		
Grants to Municipalities under Provincial Drainage Aid Act		65,600 00
Provincial aid to Municipalities for excess cost of work done during winter season for relief of unemployment		139,999 86
Special Warrants:		
Rebuilding bridges and dams destroyed by floods, etc.		11,223 81
Statutory:		
Salaries		6,300 00
Total expenditure	$	2,884,259 70

The statement of the Secretary and Law Clerk gives the several contracts entered into during the fiscal year.

I have the honour to be, Sir,

Your obedient servant,

R. P. Fairbairn,
Deputy Minister of Public Works.

REPORT OF ARCHITECT.

Honourable F. C. Biggs,
Minister of Public Works and Highways.

Sir,—I have the honour to submit my Annual Report of work done by the Architect's Branch of this Department during the past year ending October 31st.

Repairs and Maintenance.

The buildings under the care of this Department in the City of Toronto, including Government House, Parliament Buildings, Osgoode Hall, Spadina House, Government Offices, 46 Richmond Street, W., Provincial Laboratories No. 5 Queen's Park, Office buildings at Nos. 15 and 17 Queen's Park, the building at 25 Queen's Park occupied by the Ontario Board of License Commissioners and the Provincial Police, and the building at 47 Queen's Park occupied by the Ontario Railway Board, have received proper attention and been kept in good order. Furniture and furnishings have been supplied as found to be necessary.

Administration Building, Ontario Department of Highways.

The old Veterinary College building on the north-west corner of University Avenue and Dundas Street, formerly used as a Veterinary College, is being remodelled and converted into an up-to-date office building, with ample accommodation for all branches of that Department. The structural design of the building was particularly adapted to the required changes. The Motor License Branch is being located in the large laboratory on the north-east corner on the first floor, will be fitted up with counters, enclosed bank cage for cashiers, ample space being allowed for the public. The rooms now used by the Provincial Savings Department on the first floor will be vacated, accommodation baving been provided for the present occupants at No. 15 Queen's Park. The freight elevator has been removed to the new Veterinary College in Guelph and a passenger elevator installed in its place. The work, with the exception of the heating, is being done by the Department, all of the materials and furnishings being purchased by tender. The building will be ready for service by the 1st of December.

Ontario Hospital, Whitby.

The Acute Hospitals for men and women were fully completed and formally opened on the 10th of June.

Plans and specifications were prepared for two Nurses' Homes, numbers 1 and 2, and such good progress has been made with the work as to ensure the completion of same by the 1st of July.

Plans and specifications were also prepared for a laundry building, which has been completed, equipped and occupied for some time.

Plans and specifications were also prepared for a Cannery in connection with the Farm Department of the Institution, which has also been completed and in use for some time.

The work of laying roads and grading of grounds has been continued throughout the season.

EDUCATIONAL BUILDINGS.

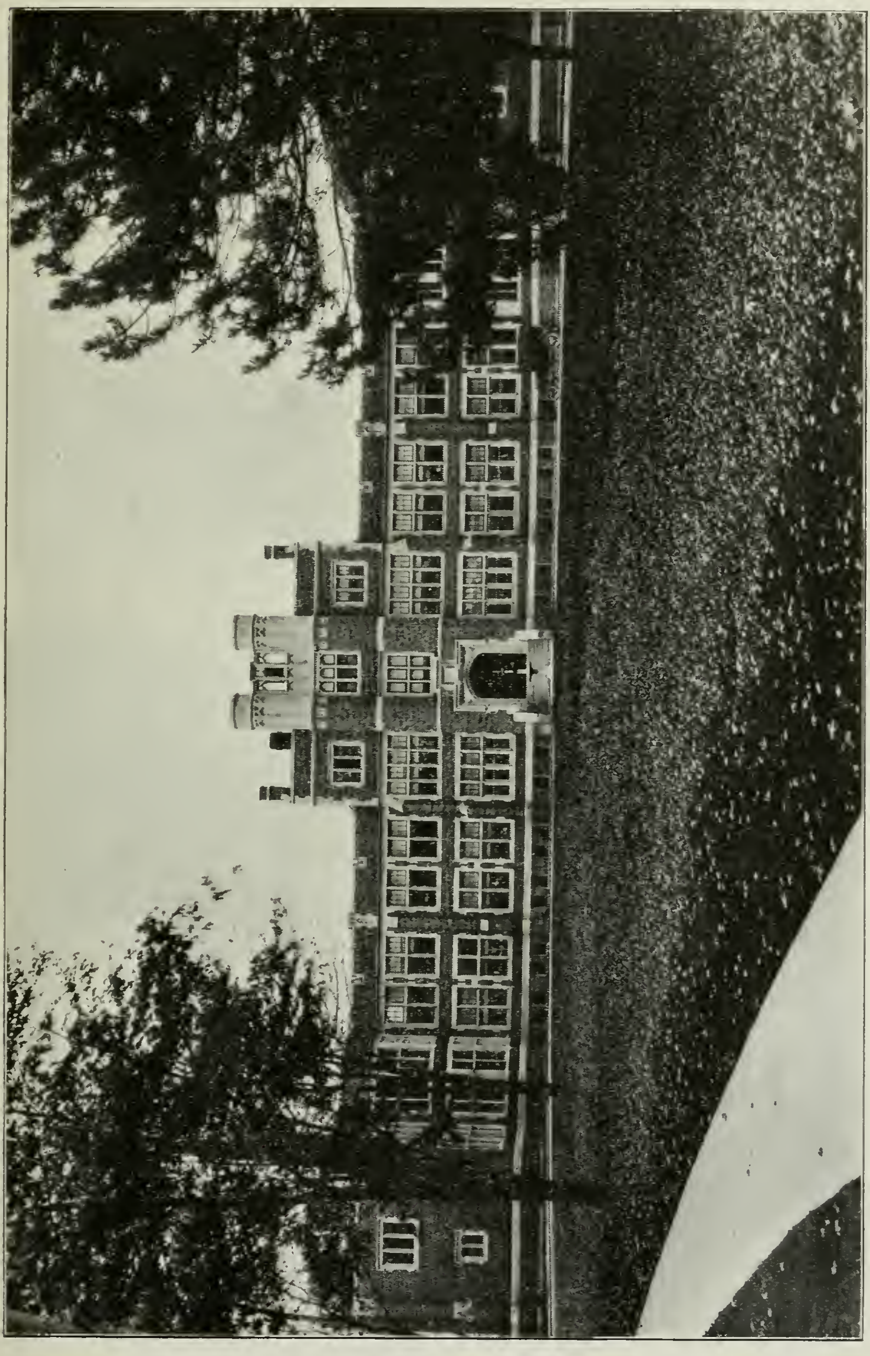
The Educational buildings, including the Normal and Model Schools, Ottawa and Toronto, the Normal Schools at London, Hamilton, Stratford, Peterborough and North Bay, the Ontario School for the Deaf, Belleville, School for Blind, Brantford, the English and French Schools at Sturgeon Falls and Sandwich, have all been kept in good repair, having been inspected by the officials of this branch from time to time as found to be necessary. Ordinary repairs only were required to these buildings, with the exception of the Normal School at North Bay, which had to be entirely covered with a new roof, owing to the action of the ice and snow; for the same reason considerable repairs had to be made to the brickwork of the external walls. Proper attention has also been given to the grounds and walks surrounding the building.

SCHOOL FOR DEAF, BELLEVILLE.

The front portion of the Main Building was completed and furnished ready for occupation. The work of tearing down the old building was commenced on June 15th, the day of the close of the session, and the construction of the remainder of the main building a month later, which consists of extensions to east and west wings joined by a corridor on the north, and forming a square court in the centre; the dining-hall on the west side, giving accommodation for 350 persons, with kitchen, baking and cold storage buildings adjoining same, and an Assembly Hall and Chapel on the east side with a seating capacity of 450. This hall will also be used as a gymnasium. Work has been rushed as quickly as possible in the face of considerable difficulty in getting men and materials. The dining-hall, kitchen, cold storage and bakery were completed and sufficiently equipped and ready for the opening of the School on the 9th of this month, being exactly five months from the time the work of demolishing the old buildings, including the main building, dining-hall and kitchen, was commenced. I consider this to be a remarkably creditable performance and reflects credit on the contractors and every one engaged in the work. The wings will be fully completed in about three months. Excavations for the Assembly Hall and Gymnasium have been commenced and the building will be completed by March the 1st. All the above work was done under contract for general trades, by Messrs. Taylor & Lackey, of Ottawa; heating, plumbing and ventilating by Messrs. McKelvey & Birch, of Kingston; electric wiring by Messrs. Moss & Stocks, of Toronto; cold storage by the Eureka Refrigerator Co., of Toronto, and roofing by Douglas Bros., of Toronto.

Considerable alterations were made to the cottage in the rear of the main building in which the baking and shoe shop were formerly located. This building has now been changed into a dormitory for maids, including sitting-rooms, lavatories, etc. Alterations were also made to the building known as "Wood Hall," to the north and east of the main building. The space formerly occupied as a store (now removed to the basement of the kitchen) is now used in connection with the carpenter shop. The building also contains the printing office and boot and shoe shops, all of which have been improved by increased lighting and lavatory accommodation. All of this work was done by Mr. Parks, supervisor of woodwork and manual training, under the supervision of this Department.

The work in connection with reconstruction of roads and walks and grading of grounds has been completed. This work included the laying of tarvia roads and cement walks, grading and seeding the lawns and terraces.



Front View of New Main Building
Ontario School for Deaf, Belleville.

Northern Academy, Monteith.

Plans and specifications were prepared for a school building, one storey and basement. The foundation walls of concrete and superstructure of frame, faced with brick, the roofs covered with slow burning asphalt shingles.

Plans and specifications were also prepared for a boiler house with concrete foundations, a brick superstructure. Tenders were called for and contract awarded to Messrs. Stuart & Sinclair, of Hamilton, for general trades; Purdy-Mansell for heating, ventilation and plumbing.

Electric wiring—Good progress is being made with the work, the buildings will be ready for service early in the coming year.

The school building provides for chemical and physical laboratories, Manual Training and Domestic Science in the basement. Ample lockers and lavatories are also provided on this floor. The ground floor provides for four classrooms, Principal and Teachers' rooms, and a large Assembly Hall with a seating capacity for two hundred persons.

A steam boiler plant is being installed in the boiler house including two 75-h.p. boilers and apparatus in connection with same, the steam being carried to the school by mains laid in a concrete tunnel. This plant is of sufficient capacity to heat the school and other buildings proposed to be erected, including the very necessary residences for both sexes. Considerable alterations were made in the main building to permit portions of same being used as a temporary residence for the students.

An activated sewage disposal plant is also being erected on the premises, located on the low ground about 750 feet from the school, which will handle the sewage from the various buildings. Ample sized sewers have been laid and this plant is nearing completion. The work is being done under contract by Messrs. Stuart & Sinclair.

This Institution, formerly under the Department of Agriculture, has been transferred to the Department of Education.

High School, New Liskeard.

Plans and specifications were prepared for a four-roomed school building, 80 feet 6 inches by 34 feet 6 inches, two storeys in height, which is being built adjoining the livestock pavilion on the Northern Ontario Experimental Farm, New Liskeard, the upper portion of which has been used for some time for this school and is attached to the pavilion by an annex 33 feet in length, containing toilet rooms, library and teachers' rooms, a boiler room being located under this portion with coal vaults adjoining. Tenders were called, and the contract for general trades awarded to Messrs. Hill-Clark-Francis Limited, of New Liskeard; heating, plumbing and ventilating to Purdy-Mansell Limited, of Toronto, and electric wiring to the Toronto Electric Co., of Toronto. The building at the present time is being roofed in and will be finished ready for occupancy about the end of March.

Public and Separate Schools.

The following work was done by this Department in connection with Consolidated, Public, Separate and Continuation Schools for the Department of Education. The following Consolidated Schools have been completed from plans and specifications prepared by this Department: Dorion, Mindemoya and Savard. Working drawings and specifications were prepared for a Consolidated School at Benmiller. Sketch plans were prepared for a six-roomed school at North Mountain, which is now in course of erection. Plans for Britannia Heights, Grantham, Nipigon and Wellington and Bloomfield Consolidated Schools have been examined, reported on, and meetings held with school boards and their architects.

In connection with Public and Separate Schools, sketch plans were issued to the following Boards: No. 2 Walpole, No. 1 Atikokan, Carleton Place, Honeywood, Hanbury, Nipigon, Vergil, S.S. No. 5 Pakenham, S.S. No. 2 Sidney, Bon Air, North Cobalt, Christie, No. 1 Grant, Gananoque, No. 1 Harley, Honey Harbour, Laroque, MacTier, Poplar Dale, No. 1 Zealand, No. 1 Webbwood, No. 3 Dysart, No. 1 Woodrous, No. 9 Albemarle, No. 2 Harrison, Dorchester, Elk Lake, S.S. No. 20 Thurlow, S.S. No. 5 Thurlow.

The following plans have been submitted for Public and Continuation Schools and meetings held with representatives of School Boards and their architects: Springfield, Stayner, R.C. Preparatory School, Timmins; Wheatley, Blyth, Bronte, Frankford, Teeswater, Cloudslee, Brownsville, Copper Cliff, No. 6 Grantham, Inglewood, Millbrook, Prescott, Oshawa Separate School, No. 1 Stoney Point, Tweed, St. Columban, Public School Timmins, Wintermute, Blenheim, Carleton Place, High School Linden, and No. 9 Lancaster. Reports have been made on St. Joseph's College, North Cobalt, for school purposes, heating of Sturgeon Falls Separate School. The artificial lighting of classrooms with special reference to use of obscure glass in windows.

HIGH AND TECHNICAL SCHOOLS.

The regulations concerning High School Buildings have been written with a view to the guidance of architects and are in the press.

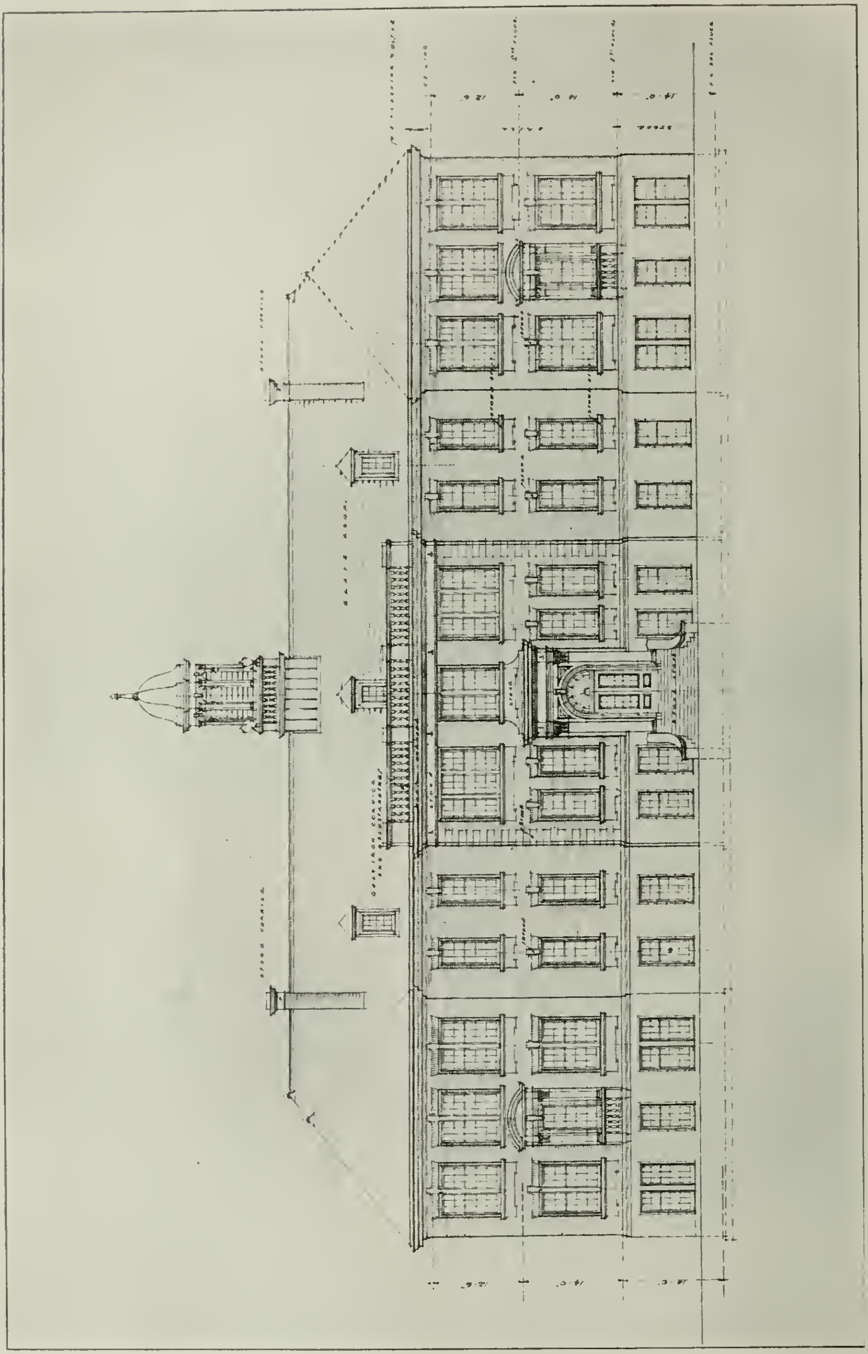
Plans and specifications for Technical Schools have been submitted by the architects through the Department of Education for Walkerville, St. Catharines, Guelph, Owen Sound and Renfrew, have been carefully examined for structural work by the officials of this Department and reported on.

AGRICULTURE

ONTARIO VETERINARY COLLEGE, GUELPH.

New Veterinary College.—This building was fully completed, furnished and occupied by the students on the 1st of October and will be formally opened by Honourable Manning Doherty, Minister of Agriculture on December 12th. A large amount of work was done in connection with the fitting up of laboratories, including chemical tables, cabinets, etc., etc. The old chemical tables, museum cases and all furnishings were removed from the old Veterinary College in Toronto, now being fitted up as an Administration Building for the Highways Department. New tables and furnishings were supplied as required.

The dimensions of the building are as follows: frontage 151 feet, east wing 75.7 feet, west wing 127.9 feet. As shown on the accompanying illustration, the ground floor of this building is built of Credit Valley grey stone. The two storeys above are finished with red tapestry bricks from the Provincial Clay Plant at Mimico, with Credit Valley cut stone dressings. The main entrance in front of the building is entirely of this stone with stone steps approaching same. The ground floor is divided into clinic operating room with stable at end for animals to be operated, separated from the laboratory by fireproof doors. Office



New Veterinary College, Guelph.

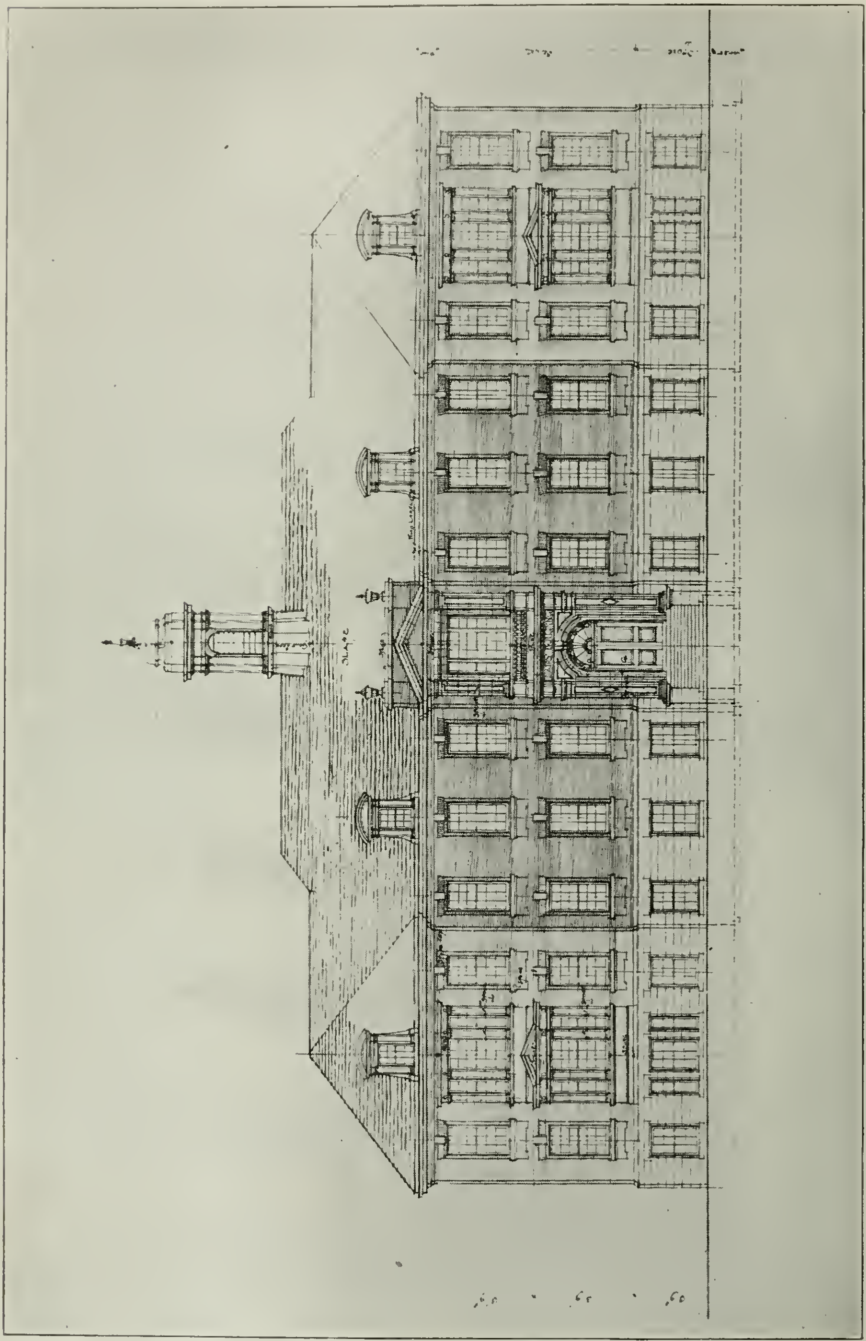
for outside pharmacy, pharmacy laboratory, students' common or sitting-room, locker room, lavatories, vault and boiler room with coal storage room adjoining. The entrances to this floor are at the east and west sides of the building. The first floor provides for an assembly room and class-room library. Faculty room, office, general office, principal's room, vault, lavatory, museum and three class-rooms. On the second floor provision is made for histological and pathological laboratories, bacteriology laboratory with preparation rooms for same. The anatomical laboratory is also provided for on this floor, with office and preparation room, store, small animal room, dressing room and lavatory adjoining; three offices for the professors, students' room and two class-rooms are also located on this floor. The freight elevator was removed from the old Veterinary College in Toronto and installed in this building, leading from the clinic operating room in the basement to the upper floor.

Veterinary Hospital.—Is being erected to the east of the Veterinary College in connection with same and will be finished in about six weeks time. The building is of frame construction on a concrete foundation. The main portion is 36 feet 3 inches by 120 feet frontage, with a projection in centre, 30 feet 8 inches by 32 feet 3 inches. The main building is divided into three sections. Horse section including nine stables and three box stalls for horses. Cattle section, including 10 stables and two box stalls. The centre portion being divided into washing room, harness room, root cellar, feed room and office, is extended from the centre front and both ends with driveway 13 feet wide. The rear projection provided five pens for swine and four for sheep. The upper floor contains a small animal section occupying nearly two-thirds of the loft, with grain room, the hay loft being over the rear projection. The section on this floor over the cattle section is divided into living apartments for the attendants. The building is steam heated from the boilers in the Veterinary College. The contract for general trades is being carried out by the Pigott-Healy Construction Co., of Hamilton, the steam heating by Purdy, Mansell Limited, of Toronto, the plumbing by A. W. Smith Co., of Guelph, and the electric wiring by F. Martin, of Guelph, to whom contracts were awarded after tenders had been duly called for.

Sewage Plant.—An activated sewer plant has been constructed near to the Veterinary College to serve that building, the Veterinary Hospital and the Dairy Building. The construction work of tank and building over same and connecting drains was done under contract by Messrs. Schultz Bros., of Brantford, the plumbing work by Purdy, Mansell Limited, of Toronto. The plant is completed and working satisfactorily. Great difficulty was encountered in draining the property upon which these buildings are located, owing to the low lay of the land; the old drain running across the lot for surface drainage was found to be too small and this had to be increased to take the water from the foundations and roofs of the buildings and a manhole placed at the Dairy Building and the street line, which had to be done at considerable expense.

Ontario Agricultural College, Guelph.

Dairy Building.—This building, while nearing completion, is not as far advanced as the Veterinary College, owing chiefly to the large amount of machinery that is being installed. It will, however, be sufficiently completed for holding of classes by December 15th. The formal opening will take place on January 9th. This building is three storeys in height, designed in the same style as the Veterinary College, to harmonize with it, is built of stone and tapestry brick, is located facing on a line with that building, and six hundred feet from same.



New Dairy Building
Ontario Agricultural College, Guelph.

The basement floor contains ice cream rooms, condensed and powdered milk room, can-washing room, waxing room, cheddar cheese storeroom, soft and fancy cheese room, ice machinery and cold storage.

The first floor contains students' creamery with receiving room adjoining, with elevator from same to basement and upper floor; farm butter-making room, hand and power separator room, investigating creamery, market milk, principal's office and four offices for the staff; cheddar cheese with receiving room off same with elevator to basement and upper floor. There is also a mezzanine floor, to be used for can washing, to this receiving room and to the receiving room to students' creamery.

The second floor is divided into first, second, third and fourth year laboratories, two lecture rooms, dairy research room, chemistry, dairy research bacteriology, dairy exhibits, office, library and reading room. This building is also of semi-fire proof construction, the stairs being of steel with mastic treads, the corridors and floors of concrete finished in tile. A freight elevator is located near the centre of the building, serving all floors.

A large amount of work is being done in connection with the equipment, including fitting up of chemical tables in laboratories, work benches, director's tables, etc., and plumbing work in connection therewith. Other furniture, including desks and chairs for offices, cupboards, etc., seats for lecture room, is being supplied, all of which has been purchased by tender by this Department. The ice machinery plant was purchased and installed by contract under this Department, all machinery being purchased by the Director of Dairying. This building is heated from the boilers in the Veterinary College, the steam being carried in mains through concrete trench. Particular attention has been given to the ventilation of both buildings, and an up-to-date system of supply and exhaust systems has been installed, mechanically operated.

EASTERN DAIRY SCHOOL, KINGSTON.

Eastern Dairy School, Kingston.—Plans and specifications were prepared for a new Dairy School building to replace the former building destroyed by fire on the 16th of January. Tenders were called and the contracts awarded as follows: General trades to W. H. Watt, of Kingston, steam heating, ventilation and plumbing to Elliott Bros., of Kingston, and electric wiring to James Harris, of Kingston. Fair progress is being made with the work under present conditions; the building will be ready for classes about the end of January. The building is two storeys and basement in height, the foundations are built of Kingston limestone and the superstructure of red bricks with Kingston stone dressings to doors and windows, the upper storey being plastered in stucco. The roof is covered with asbestos fireproof shingles. All corridors and floors of laboratories are of concrete; the floors of corridors are finished with tile. The building has a frontage of 91 feet by a depth of 80 feet with a one-storey extension in the rear of 33 feet 6 inches by 35 feet 6 inches for boiler house and fan room, with coal vault beyond. The building will be steam heated and ventilated throughout, with a supply and exhaust system of ventilation. One-half only of the foundations has been excavated for basement, in which will be located the ice-making machinery plant and storeroom and a hand power hoist to the floors above. The ground, or first floor, is divided into cheese-making room, butter-making room, separator room, waxing room, cheese-curing room, culture room, butter cold storage, cooling room and butter printing. Receiving rooms and entrances with covered porch over driveway are provided for on each side of the building. The second, or upper floor, is divided into a large lecture room, milk testing room on one corridor, general office, superintendent's office, library, dairy inspector's office, whey room, storeroom, men's locker room with shower baths off same, and lavatories.

Western Ontario Experimental Farm, Ridgetown.

Western Ontario Experimental Farm, Ridgetown.—Plans and specifications were prepared for a barn, implement shed and piggery and for alterations to the residence for the director. The two former buildings were built under contract by Messrs. F. G. Kennedy and Thos. McAuliffe, of Ridgetown, and the latter by day work under the supervision of the director. All of this work has been fully completed.

DISTRICT BUILDINGS.

Algoma.—The new Court House, Sault Ste. Marie, was completed, furnished and ready for the opening of court on May 2nd.

Parry Sound.—The work in connection with the addition to the building has been completed and the new offices occupied. The interior of the old portion of the building is being improved and renovated.

Repairs have been made to the Court Houses, Gaols, Land Titles and Registry Offices in the Districts.

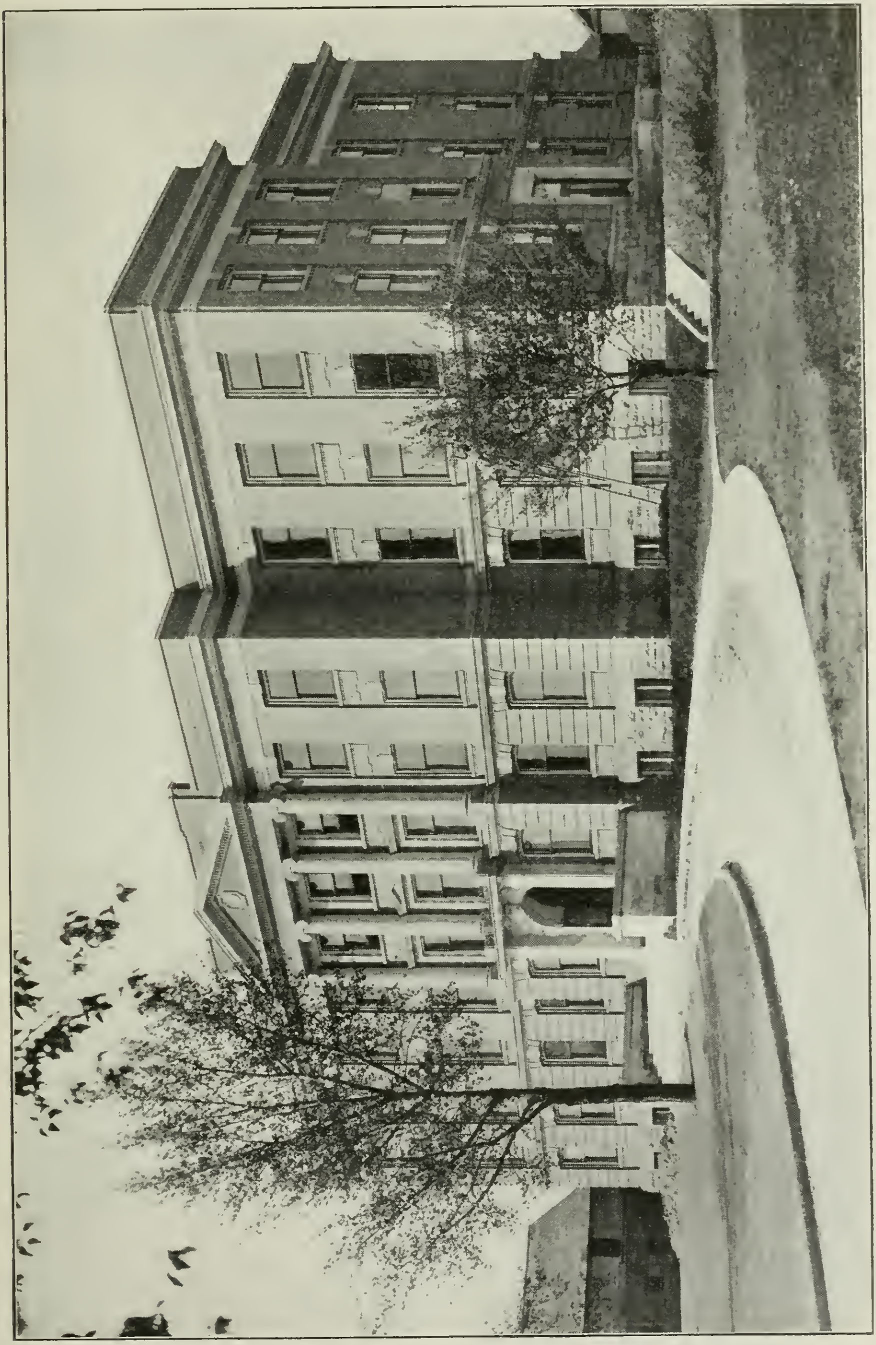
Court House and Registry Office, Haileybury. I regret to report that the Court House in Haileybury was almost totally destroyed by the disastrous fire which swept over that place on the 4th of this month, all the contents with the exception of those in the vaults were destroyed, and all of the walls will have to be taken down, with the exception of the outside walls of basement. The vaults at the front ends of the building, although damaged by the fire when opened, the contents were found to be intact and only slightly damaged by the smoke. Plans will be prepared for a new and larger building, using present foundation walls as far as practicable and tenders called for about the 1st of March.

The roof only of the Registry Office was burned off, and the brickwork slightly damaged. Considerable damage has been done to the plaster work. The vault containing the records when opened was found to be but slightly damaged by smoke and water and all the records and books found to be in good condition owing to the stable manner in which this vault was built. Repairs were commenced on this building within one week from the time the fire occurred and same will be ready for occupancy in a few days from this date.

Miscellaneous.

Premises at the following places have been fitted up as branches in connection with the Ontario Savings Offices at Aylmer, Brantford, Hamilton, Listowel, Newmarket, Owen Sound, Ottawa, Pembroke, Seaforth, St. Catharines, St. Mary's, Toronto offices at Dundas Street, and Bay and Adelaide Streets, Walkerton and Woodstock.

Ontario Government Dispensary Building at Wellington and Simcoe streets. The warehouse on this property having been taken over by the Ontario Board of License Commissioners, to be used as a dispensary, has been fitted up for that purpose. It was necessary to erect partitions on the south of the ground and first floors forming offices and also enclosing the bonded space. The base-



New Court House, Sault Ste. Marie.

ment, ground and first floors have been entirely renovated and the roof of the building put in repair. A contract has been awarded for a new water tank supplying the sprinkler system for fire protection, the old one having been worn out. Repairs have also been made to the heating and plumbing systems. The freight elevator has been put in repair and a passenger elevator installed at entrances to the upper floors on Simcoe Street, it being the intention to rent these floors.

The property to the north, with a frontage of 40 feet, extending through to Emily Street, has been purchased and a garage is now being erected covering the entire area, with entrances from both streets, plans of which were prepared in the Department. New openings have been cut in the north side leading to the garage, which will allow the trucks to be unloaded from the garage instead of Emily Street, as at present. This garage will be ready for service by the 1st of December.

All of which is respectfully submitted,

I have the honour to be Sir,

Your obedient servant,

F. R. HEAKES,
Architect.

Toronto, October 31st, 1922.

REPORT OF ENGINEER.

Honourable F. C. Biggs,
Minister of Public Works and Highways.

Sir,—I have the honour to report on the work of the Engineers' Branch of the Public Works Department for the fiscal year ending October 31st, 1922.

Construction work was continued throughout the winter months. All but two of our foremen with their regular crews were constantly employed. An unusually large amount of construction was carried out.

The largest work undertaken during the year was the Port Carling Works, comprising the construction of a new masonry dam, a new concrete lock, a new swing bridge, and the reconstruction of the super-structure of all the docks. At Magnetawan, at the locks on Magnetawan River, a new masonry dam was constructed.

The most important of the bridges constructed were: Pearson's Bridge over the White River in Temiskaming, and the Cascade Bridge over the Sequin River in the Town of Parry Sound.

The usual programme of ditching was carried out in the several districts, about $25,000.00 being expended on this line of work. Grants under the Provincial Aid to Drainage Act, which have been limited since 1914, were resumed this year by the Legislature. $63,600.00 in grants was given to fourteen drainage schemes. A full examination was made of each of these works before the grant was paid over to the initiating municipality.

The provincial dredge was operated during the year in the vicinity of Port Carling, the principal work accomplished being the improvement of the channel to the new concrete lock on the back channel.

The work under the Maintenance Fund was again heavy, about $70,000.00 having been expended from this fund. The principal items of expenditure from the Maintenance Fund in the different districts were as follows:

MAINTENANCE EXPENDITURE.

General.

Tools, repairs to equipment, etc.	$2,382 70	
Operation and outfitting of dredge	7,993 67	
Clearing streams, placing buoys, etc.	2,018 30	
		$12,394 67
Re-painting Steel Bridges		$2,965 34

Repairs, Lighting, etc., at Locks.

Port Carling Lock	$302 22	
Magnetawan Lock	20 60	
Huntsville Lock	16 77	
Port Sandfield Dock	81 32	
		$420 91

Repairs to Dams.

Ahmic Dam	$81 00	
Bala Dam	17 60	
Baysville Dam	19 22	
Dollars Dam	1,369 51	
Huntsville Dam	484 43	
Norman Dam	657 80	
Glen Rock Fishway	277 85	
Operation of storehouse	257 65	
		$3,165 06

REPAIRS TO BRIDGES.

Rainy River District:		
McKelvie Bridge	$132 75	
Weir's Creek Bridge, Morley	25 00	
		$157 75
Kenora District:		
Beaver Creek Bridge, Concession 4, Aubrey	$580 13	
Beaver Creek Bridge, Concession 2, Sandford	531 44	
East Mellick Bridge	92 72	
McLeod Creek Bridge, Concession 3, Van Horne	296 78	
Pellatt Road Bridge	109 65	
Richan Road Bridge	132 65	
Wabigoon Bridge, Concession 4, Wainwright	930 73	
Wabigoon Bridge, Concession 1, Zealand	134 41	
Sawing Bridge, Timber	400 93	
		$3,209 44

THUNDER BAY DISTRICT.

Thunder Bay District:		
Dona Bridge, Dog River	$47 50	
Hymer's Bridge	1,049 52	
Silver Creek Bridge	112 00	
Stanley Bridge	484 93	
		$1,693 95
Soo District:		
Gore Bridge, Korah	$310 45	
Goulais Bridge, Fenwick	98 00	
Goulais Bridge, Van Horne	82 70	
Magpie Bridge	846 11	
Operating Sco Lumber Camp	5,638 72	
		$6,975 98
Algoma District:		
Ansley Creek Bridge	$682 34	
Bar River Bridge	136 74	
Black Creek Bridge, Victoria	45 50	
Cooper's Bridge	239 98	
Coyne Bridge, Concession 2, Galbraith	15 80	
Hogan's Bridge	172 65	
Leslie Bridge	252 17	
Rydal Bank Bridge	60 00	
		$1,605 18
Manitoulin District:		
Esplanola Bridge	$539 86	
Nairn Bridge, Spanish	242 70	
		$782 56
Sudbury District:		
Hagar Bridge, Concession 4, 12 and 13	$254 90	
Hagar Siding Bridge	342 50	
Kelly Lake Bridge	700 55	
McPhee Bridge, Concession 5, Hagar	369 42	
Vermillion Bridge, Morgan	417 96	
		$2,085 33
Sturgeon Falls District:		
Appleby Bridge, 6 and 7, Concession 1	$49 83	
Cosby-Mason Bridge, Lot 4	239 38	
Courchene Bridge	519 25	
Martland-Cosby Bridge, Concession 2	71 30	
Martland Bridge, Concession 3	76 00	
Murdock Bridge	37 00	
Ratter-Dunnett Bridge	270 56	
Shea Bridge	56 50	
Smoky Falls Bridge	478 84	
Wolsley Bridge	368 33	
		$2,166 99
Temiskaming District:		
Big Otter Bridge	$76 00	
Crocodile Creek Bridge	108 22	
Elk Lake Bridge	271 69	
Casey-Brethour T. L. Bridge	545 25	
Gully Bridge, Concession 3, Henwood	127 00	
Kenwood Bridge, Lot 3, Concession 4	151 47	
Hudson Bridge, Concession 5	97 98	

Temiskaming District—Continued		
Judge Bridge	$ 176 10	
Milberta Bridge	127 00	
Moose Creek Bridge, Casey T. L.	66 03	
Otter Bridge, Concession 2, Brethour	782 36	
Pearson Bridge	122 28	
Tomstown Bridge	394 43	
Uno Park Bridge	103 27	
Wright Creek Bridge, Judge	4,307 24	
Wright Creek Bridge, Concession 2, Brethour	60 83	
Wabis Bridge, Concession 4, Dymond	3,535 73	
Operating Barber Lumber Camp	5,888 71	
		$16,941 59
Nipissing District:		
Astorville Bridge	$64 25	
Blue Sea Bridge	40 04	
Depot Creek Bridge	97 40	
Mackey Bridge, Head	586 76	
		$788 45
Parry Sound District:		
Ahmic Harbour Bridge	$282 56	
Buhler Bridge, Concession 23, Himsworth	83 60	
Eagle Lake Bridge, Machar	65 50	
King Lake Bridge, Machar	125 00	
Jolly Bridge	217 00	
Pringle Bridge, Lot 33, Concession 12	66 92	
		$840 58
Muskoka District:		
North Branch Bridge	$124 75	
Port Sandfield Bridge	129 00	
Williamsport Bridge	322 00	
		$575 75
Haliburton District:		
Lambs Bridge	$300 17	
McGillivray Bridge	138 86	
Moore's Falls Bridge	309 89	
West Guilford Bridge	96 17	
		$845 09
North Hastings District:		
Bay Lake Bridge	$99 41	
Fraser Creek Bridge	23 14	
Mud Creek Bridge, Herschel	498 84	
		$621 39
Addington District:		
McArthur Mills Bridge		$268 45
Renfrew District:		
Beaudry Lake Bridge	$418 20	
Becker's Bridge, Concession 7, Hagarty	301 15	
Brennan Creek Bridge, Brudenel	112 00	
Calabogie Bridge	67 50	
Cole Creek Bridge, Hagarty	807 00	
Combermere Bridge	34 14	
Donegal Road Bridge, Grattan	199 50	
Gruehls Bridge	70 08	
Pauls Bridge, Lyndock	300 00	
Whalen Creek Bridge	207 45	
White Lake Bridge	86 00	
		$2,603 02

LOCKMASTERS' REPORTS—1922.

Port Carling—3,307 steamers, 292 small boats, 543 scows, 90 rafts.

Huntsville—273 steamers, 608 small boats, 143 scows, 54 rafts.

Magnetawan—663 steamers, 287 small boats, 223 scows, 194 rafts.

WORKS CONSTRUCTED UNDER SPECIAL APPROPRIATIONS.

RAINY RIVER DISTRICT BRIDGES.

Centre Line Bridge, Con. 6, Dobie.—Located over the east branch of the Sturgeon River. A timber bridge 60 feet long. Standard pile trestle. Piles of cedar, balance of timber is tamarac. Approaches well graded. Cost, $560.20.

Fish Creek Bridge, Con. 3, McCrosson.—Located over Fish Creek at Lot 3, on the 3rd Concession Road of McCrosson. This bridge is a standard pile trestle 255 feet long. Piles from 20 feet to 35 feet in length were required. Piles of cedar, balance of structure sawn tamarac. Approaches well graded. Cost, $1,303.94.

Lavallee Bridge, 22 and 27, Devlin.—Located over the west branch of Lavallee River on road between Sections 22 and 27, Devlin. A timber bridge 62 feet long. A pile trestle, with a centre span 30 feet in clear width. Piles are of tamarac and cedar. Balance of timber used is sawn tamarac. Approaches well graded and top-dressed with gravel. Cost, $1,171.77.

Mather-Potts Townline Bridges.—Three timber bridges over the east branch of Pine River: (1) On townline, north of Lot 7, Mather. (2) On townline, north of Lot 8, Mather. (3) On 8 and 9 sideline, Concession 1, Potts. These bridges are pile trestles with a single span of 16 feet. Wing walls were placed to protect the approaches. Timber, pine and tamarac. Cost of the three bridges, $915.55.

Seventeen Bridge, West Branch La Vallee River, Devlin.—Located over a branch of La Vallee River on the road south of Section 17, Devlin. A pile trestle 18 feet long. Approaches well graded. Cost, $471.52.

FISH CREEK BRIDGE—RAINY RIVER.

Sixteen Bridge, La Vallee River, Devlin.—Located over La Vallee River on the road west of Section 16, Devlin. A pile trestle 40 feet in length. Piles used are cedar and tamarac. The timber and plank is sawn tamarac. Approaches well graded. Cost, $731.04.

Sturgeon Bridge, 6 and 7, Concession 4, Dobie.—Located over a branch of the Sturgeon River on the road between Lots 6 and 7, Concession 4, Dobie. A pile trestle with a clear span of 16 feet. Timber used, cedar and tamarac. Approaches well graded. Cost, $362.57.

Woodyatt Bridge.—Located over a branch of the La Vallee River on road between Sections 34 and 35. A pile trestle with a clear span of 16 feet. Approaches well graded. Cost, $277.60.

All the bridges in the Rainy River District were constructed under the direction of Frank Clement, Road Inspector for the District.

KENORA DISTRICT BRIDGES.

Black Sturgeon Lake Bridge.—Located over the narrows of Black Sturgeon Lake, at Lot 4, Concession 6, Mellick. It is a pile trestle bridge 511 feet long. The depth of water varies from 3 to 16 feet. Pile bents are placed at 16 foot centres, five piles to each bent, well cross-braced. The braces are three inches by eight inches. Plank fastened to piles with ¾ bolts. As piles could not be driven at the east end of the structure, a truss span 60 feet long was constructed. This truss is supported on the shore by a timber crib abutment, stone filled. The other end of the truss is supported on a pile pier. This pier has three rows of piles with seven piles to each row. The pier is sheeted with three inch plank above low water.

The superstructure of the bridge comprises 10 by 12 caps; five lines of 6 by 10 stringers; 3 inch plank floor; 4 by 6 wheel guard. The railing is standard 4 by 4 posts and top rail with a 2 by 6 hub rail. The work was done during the winter under the direction of G. H. Hudson, foreman Public Works. Cost, $5,880.00.

Red Pine Lake Bridge, Redvers.—Located over a stream between Red Pine Lake and Bowden Lake at Lot 11, Concession 2, Redvers. This bridge has a clear span of 16 feet. Timber crib abutments rock filled: standard floor system; 60 feet of the ravine is filled with rock and earth. A strong guard rail is placed at each side of bridge and fill. Dan Hutchison was foreman in charge. Cost, $636.93.

Wabigoon Bridge, Concession 5, Wabigoon.—Located over a branch of the Wabigoon River on the road between Lots 2 and 3, Concession 4, in Wabigoon Township. It is a pile trestle 80 feet long, with pile bents placed at 16 feet centres. The caps and stringers are 10 inch flatted timbers; floor, 4 inch flatted. Strong guard rails in place. Approaches well graded. Cost, $1,233.74. Dan Hutchison was foreman in charge.

THUNDER BAY DISTRICT.

Beaver Creek Bridge, Concession 4, Gillies.—Located over Beaver Creek between Lots 8 and 9, Concession 4, Gillies. A pile bridge with a clear span of 16 feet flatted stringers; 3 inch tamarac floor. The bridge is raised 3 feet above the level of the old bridge. 450 cubic yards of filling was placed to bring approaches to the proper grade. Strong guard rails in place on each side of bridge and fill. Cost, $437.93.

Brule Creek Bridge, Concession 5, O'Connor.—Located over Brule Creek between Lots 2 and 3, Concession 5, O'Connor. A pile bridge 30 feet long. Standard construction. Cost, $439.05.

Cedar Creek Bridge, Concession 6, O'Connor.—Located over Cedar Creek on the 6th Concession line of O'Connor. A pile bridge 30 feet long of standard construction. Approaches well graded. Cost, $575.32.

Corbett Creek Bridge, Concession 5, Oliver.—Located over Corbett Creek on the road between Lots 8 and 9, Concession 5, Oliver. A timber bridge with a clear span of 20 feet. Pile abutments with 10 by 12 caps. Eight stringers 6 by 12, drift bolted to caps, carry a 3 inch pine plank floor. Timber cribs well drift-bolted to support the fill at each end. The bottom was well paved with rock around the piles and under the cribs. Approaches well graded. Strong guard rails at each side of bridge and fill.

Corbett Creek Bridge, 11 and 12, Concession 5, Oliver.—Located over Oliver Creek at Lots 11 and 12, Concession 5, Oliver. The bridge has a clear span of 16 feet, and follows the same construction as the preceding Oliver Creek Bridge. The cost of the two bridges was $757.18.

Fifth Concession Bridge, Pearson.—Located over a creek at Lot 16, on the 5th Concession Road of Pearson. There is a horseshoe bend in the creek where it crosses the road. A new channel was cut to carry the creek straight across the road and the old channel was filled. The bridge was placed over the new channel. The bridge is 30 feet long, of pile construction, giving two spans each 14 foot clear. The bridge is of standard construction and well painted. Cost, $453.00.

First Concession Bridge, 5th Sideline, Gillies.—Located over a small creek on the 4 and 5 sideline, Concession 1, Gillies. A pile bridge of standard construction, with a clear span of 16 feet. Cost, $421.40.

Lot 12 Bridge, Conmee.—Located over a creek at Lot 12, on the townline between Conmee and O'Connor. A timber bridge with a clear span of 20 feet. Pile abutments. Approaches well graded. Cost, $387.61.

Oliver Creek Bridge, Paipoonge.—Located over Oliver Creek on the Stanley Road, between Lots 8 and 9, Concession 5, Paipoonge. A timber bridge with a clear span of 16 feet. A timber bridge on pile abutments. Cost, $538.49.

All the work in the Thunder Bay District was done under the direction of John McNee, Road Inspector for the District.

SAULT STE MARIE DISTRICT

Achigan Creek Bridge.—Located over Achigan Creek on the Northern Trunk Road, about two miles north of Searchmont in the Township of Gaudette. A timber bridge 130 feet long, with a main centre span, 60 feet long. The truss span is supported on pile piers 5 feet wide with two lines of piles. The piers are sheeted with 3 inch plank to high water level. Caps and truss timbers are 10 by 12 pine; floor, 3 inch pine plank. Three approach spans of 15 feet each are placed east of the truss span and one span of 15 feet west of the truss. The approaches are well graded. The bridge material was secured from the mill at Mile 142 where a supply was taken out during the winter. Cost, $1,553.17.

Dam Creek Bridge.—Located over Dam Creek on the Northern Trunk Road, Lot 10, Concession 4, Hodgins. A pile bridge, 60 feet long, with a centre truss span of 32 feet. Four bents of piles carry the deck. Caps and truss timbers are 10 by 12 pine. Stringers flatted cedar; floor, 3 inches pine plank. Approaches well graded. Cost, $768.74.

Moores Bridge, Korah.—Located over a small creek on the road west of Section 34, it is a concrete bridge with a clear span of 12 feet. The abutments rest on pile foundations. The floor is a flat slab, 12 inches thick, reinforced with ¾ inch and ⅝ inch bars. Standard moulded post railing. Approaches well graded. Cost, $1,058.86.

Second Line Culvert and Drain.—Located over a small creek on the road north of Section 36, Prince. A concrete bridge with a clear span of 12 feet, of the same construction as the Moore Bridge above described. A section of the road immediately west of this culvert was much eroded by the water. The drain had cut down to a depth of 6 feet, and was rapidly washing away the road bed. To prevent further damage to the road bed, a covered drain of 30 inch sewer pipe was constructed in the bottom of the drain over a length of 247 feet. The entire cost of bridge and drain was $1,705.85. S. W. Butt was foreman in charge of all the work in the Soo District.

ALGOMA DISTRICT BRIDGES.

Cummings Bridge, Gould.—A timber bridge 82 feet long, with a centre truss span 43 feet long. The deck is supported on double pile piers. Approaches well graded. Cost, $746.33.

Cooper Bridge.—Located on the 2nd Concession of Galbraith. New pile bents were placed at each end of bridge. New stringers on centre span. New floor of 3 inch pine plan over full length. Approaches widened 6 feet by a fill of rock and earth and top-dressed with gravel. Cost, $300.09.

Curran Bridge.—Located over the Thessalon River at Lot 2, Concession 5, Aberdeen. Approach at south end of bridge washed out. New pile bent placed, stringers renewed and a new floor put on. The bridge is 90 feet long. Approaches properly graded. Cost, $483.52.

Harrow Bridge, LaCloche Creek.—Located over LaCloche Creek at Lot 1, broken front of Harrow. A concrete beam bridge with a clear span of 25 feet. The abutments are mass concrete, 17 feet in height to the floor level. The bridge is built on a skew to line in with the stream. The 8 inch floor slab is supported on four main girder beams. The beams are 12 inches wide and 24 inches deep. The railing is of moulded concrete posts. Approaches well graded and gravelled. S. Cole was foreman in charge. Cost, $3,218.86.

Jeffry Bridge, Plummer Addl.—Located at Lot 2, Concession 4. A concrete bridge with a clear span of 10 feet. Flat top slab 12 inches thick, well reinforced. Approaches well graded. Work done under the direction of Jas. Barkley. Cost, $914.77.

Little Serpent Bridge, Victoria.—Located over the Little Serpent River at Section 18, Victoria. New piers were constructed at each end of bridge. The centre piers were overhauled and all defective timbers removed. New stringers were supplied and 60 feet of the floor renewed with 3 inch pine plank. New railing over full length of bridge. Cost, $448.90.

Potomac Bridge, Concession 3, Gladstone.—Located over the Potomac River on the 3rd Concession Road of Gladstone. A timber bridge 80 feet long, repaired. Repairs consisted of two new caps, two new stringers and a new floor of 3 inch pine plank and a new railing throughout. Cost, $317.55.

Section 15 Bridge, Lefroy.—A timber bridge with a clear span of 12 feet. Pile abutments, five lines of 10 inch flatted stringers; floor, 5 inch flatted cedar. Guard rail in place. Approaches graded. Cost, $281.37.

Section 27 Bridge, Salter.—A timber deck on concrete abutments. Span 10 feet clear. 80 cubic yards of earth and stone were used in filling approaches. Cost, $675.00.

Thompson Creek Bridge, Parkinson.—Located over a creek at Lot 6, Concession 2. A concrete bridge with a clear span of 10 feet. The abutments are about 7 feet in height. Approaches are properly graded. Cost, $729.11. The work was done under the direction of James Barkley.

Walker River Bridge, Desbarats.—Located over the Walker River in the Village of Desbarats, in Algoma. The old structure was a timber deck on pile piers. The piles in the old piers were cut off at low water level and new concrete piers built up from the head of piles. The deck consists of a 6 inch concrete floor carried on 6 lines of 18 inch "I" beams. A strong guard rail of 4 inch "T" steel posts and three lines of 1½ inch galvanized pipe is supplied on each side. The bridge has a clear span of 33 feet, with a clearance of 6 feet above ordinary water level, which clearance is about 3 feet more than was provided by the old bridge. Stone fills were placed at each end of the bridge, which were allowed to fall to a natural slope around the piers.

The steel deck was supplied by the Canadian Bridge Co., at a cost of $732.00. The total cost of the bridge which was done under the direction of S. W. Butt, was $1,758.56

Williams Bridge, Concession 4, Plummer Addl.—Located over McBane Creek at Lot [illegible], Concession 4, Keating Location. It is a concrete bridge with a clear span of 12 feet, with a 14-foot roadway. S. W. Butt was foreman in charge. Cost, $797.95.

MANITOULIN DISTRICT BRIDGES.

Carson Bridge, Gore Bay.—A concrete bridge over a creek in Gore Bay. It has a clear span of 10 feet, with a roadway 20 feet in clear width. The side walls are 14 feet in height to the floor level. The wing walls extend back 20 feet at each corner. The work was done under the direction of J. E. Vanmeer. Cost, $1,197.90.

Hoes Creek Bridge, Concession 9, Allan.—Located at Lot 24, Concession 9, Allan. The bridge has a clear span of 20 feet. Concrete abutments and a concrete deck. Cost, $1,028.83.

Eighth Concession Bridge, Beaver Creek, Campbell.—Located at Lot 8, Concession 3, Campbell. A timber bridge with a clear span of 20 feet. Pile abutments, 10 by 12 caps, six lines of 8 inch flatted cedar stringers. Approaches well graded. Cost, $747.54.

Long Creek Bridge, Concession 3, Barrie Island.—Located at Lot 11, Concession 3, Barrie Island. A clear span of 10 feet. Rubble masonry abutments and timber deck. Approaches well graded. Cost, $280.73.

McArthur Bridge, Billings.—Located at Lot 21, Concession 2, Billings. The bridge has rubble masonry abutments set in cement mortar. A clear span of 10 feet with timber deck. Approaches well graded. Cost, $292.31.

McCauley Bridge, Concession 2, Assiginack.—Located at Lot 33, Concession 2. A concrete bridge with a clear span of 10 feet. A flat slab top. Approaches filled with stone and earth. Cost, $599.80.

Omlet Bridge, Concession 12, Campbell.—Located at Lot 14, Concession 12, Campbell. This bridge is built with concrete abutments. It has a clear span of 10 feet with a timber deck. Approaches stone filled and top-dressed with gravel. Cost, $349.22.

Second Concession Bridge, Tekummah.—Located at Lot 14, Concession 2, Tekummah. A timber bridge with a clear span of 12 feet. Pile abutments, five lines of flatted stringers. A 4 inch plank floor with a substantial guard rail at each side. Approaches filled with stone and top-dressed with gravel. Cost, $453.50.

Sheguiandah Bridge.—Located over a creek in the village of Sheguiandah. It is a concrete bridge with a clear span of 20 feet. Abutments rest on rock bottom. The deck is supported on concrete beams well reinforced. The railing is of moulded concrete posts. Approaches are well graded. Cost, $1,470.25.

St. John Bridge, Concession 2, Mills.—Located at Lot 2, Concession 2, Mills. This bridge has a clear span of 12 feet. The abutments are of rubble masonry with a timber deck. Approaches well graded. Cost, $297.00.

All the work in Manitoulin was done under the direction of J. E. Vanmeer, Road Inspector.

SUDBURY DISTRICT BRIDGES.

Garson Road Bridges.—Two reinforced concrete bridges were constructed over a creek on the road leading from Coniston to Garson Mine. The first bridge is located at Lot 3, between Concessions 3 and 4, Neelon. The second bridge is about a mile further north. The bridges are built on a skew to line up the abutments with the course of the stream. The right angled width of span is 18 feet, and the floor beams are 20 feet long between abutments. The abutments are 4 feet 9 inches wide at the base, and are 12 feet in height to the floor level. The bridges are built on the same plan. The approaches are well graded. A. L. McDonald was foreman in charge. Cost of two bridges, $4,227.14.

Junction Creek Bridge, McKim.—Located over Junction Creek at Lot 4, Concession 6, McKim. A concrete bridge with a clear span 10 feet. The abutments, 13 feet in height to the floor level. The top is a 12 inch concrete slab, well reinforced. The railing is a concrete wall supported by four main posts. Approaches filled with stone and top-dressed. Cost, $2,282.74. A. L. McDonald was foreman in charge.

Larchwood South Bridge.—Located over the Vermilion River at the new station at Latchwood on the C.P.R. This bridge comprises a central steel span 70 feet long, with timber trestle approaches 64 feet long at each end. Giving an overall length of 200 feet. The steel span is supported on pile piers, 17 piles in each pier. Two lines of piles are driven 'in each pier at five foot centres. The piles are surrounded by a strong timber crib extending from the river bottom to high water level, a height of 16 feet. The cribs are filled with stone. The piers and cribs are constructed with sharp cut-waters. The nose of the crib is protected by an 8 inch steel angle, from damage from the ice and logs. The pile trestle bents are driven at 16 foot centres, five piles in each bent. The floor stringers are 10 inch flatted timbers and the floor 3 inch pine plank. A strong guard rail is placed at each side of bridge.

The steel span, including steel floor joist was supplied by the Dominion Bridge Company at a contract price of $1,383.00. The construction of the bridge, including erection of steel, was carried out by Walter Robinson, foreman Public Works. Total cost, $6,638.11.

STURGEON FALLS DISTRICT BRIDGE.

Bear Creek Bridge, Concession 6, Kirkpatrick.—A timber trestle bridge, 45 feet long, consisting of four bents of piles, driven at 15-foot centres, flatted cedar in caps and stringers; floor, 3 inch pine plank. Strong guard rail in place. Approaches well graded. Cost, $576.12.

Eighth Sideline Bridge, Kirkpatrick.—A new bridge on a new road. It is a pile trestle 29 feet long, three bents of piles. Approaches properly graded. Cost, $476.20.

Filiatrault Bridge.—Located over Maskinonge Creek, near the townline between Casimir and Jennings. The old bridge, built some 15 years ago, was on the townline. It crossed the creek in a bottomless bog. A pile trestle was constructed, but the structure was a failure. The new bridge is located about 60 rods west of the townline at a favourable bridge site. The new bridge built on timber cribs, stone filled, has a clear span of 30 feet. The deck is supported by a King truss. The approaches are well graded, and the road has been diverted to the new site. Cost, $476.38.

Lavallee Bridge, Grant.—A timber bridge with a clear span of 30 feet. Cost, $600.00.

Sixth Line Bridge, Lot 4, Dunnet.—Located over a creek at Lot 4, on the 6th Concession Road, Dunnet. A timber bridge with a clear span of 30 feet. Crib abutments, stone filled. The deck is supported by a King truss. Approaches well graded. Cost, $597.90.

West Arm Bridges.—Located over the West Arm of Lake Nipissing, on the townline between Cherriman and Haddo, the main road south to Noelville. These bridges were originally constructed in the year 1905, but owing to the condition of the road, were but little used. The north bridge is a pile trestle, 417 feet long. The pile bents are driven at 16 feet centres. The greater part of the old piles were in serviceable condition, but a few had to be replaced. An entire new deck was placed on the bridge, stringers, floor and railing.

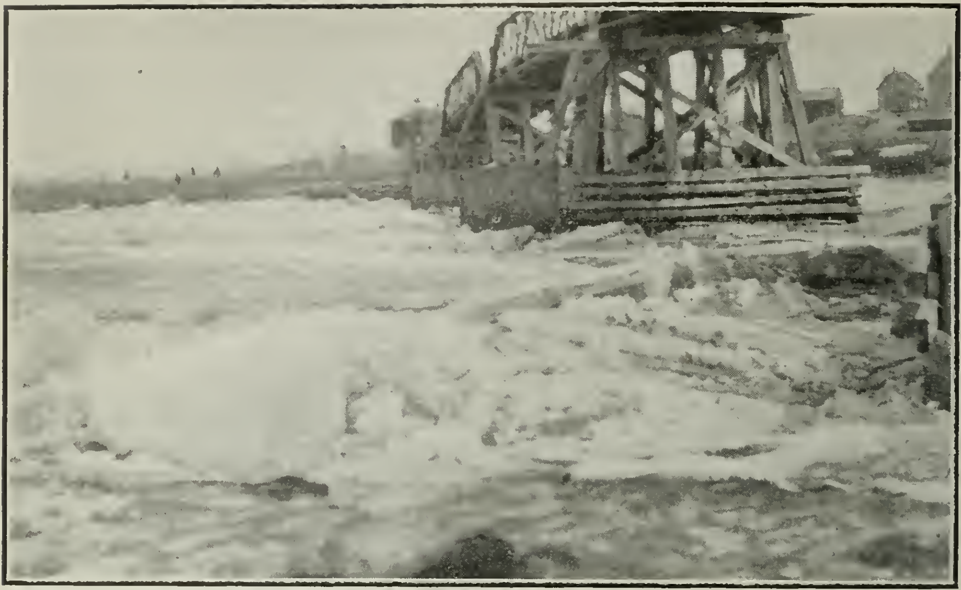
The south bridge is about a quarter of a mile south of the north bridge. This bridge is 218 feet long. The bottom is hard, and crib piers are used to carry the deck. The piers are 8 feet wide and 16 feet long. The top timbers were removed from the piers down to the waterline and replaced with new timbers. The piers are placed 22 feet apart, too long a span for stringers. 18 foot corbels are placed under the stringers at each pier. An entire new deck, stringers, floor and railing was also placed on this bridge. Each bridge has a 14-foot roadway between railings. The necessary grading was done at each approach. A .L. McDonald was foreman in charge. Total cost, $6,966.31.

TEMISKAMING DISTRICT BRIDGES.

Baptiste Creek Bridge, Armstrong Townline.—Located over the south branch of White River at Concession 1, on the west townline of Armstrong. The bridge is 74 feet long and is supported on pile piers. The centre span is 30 feet clear, with 16-foot approach spans at each end. The main piers are 6 feet wide and sheeted with 3 inch plank. The bridge was raised 4 feet above the height of the old bridge, to clear the new high water level caused by the clearing up of the water shed; 445 cubic yards of earth and stone were placed in the fills. W. E. Kerr was foreman in charge. Cost, $544.32. Timber was supplied from our stock pile at Latchford.

Pearson's Bridge.—The long timber bridge over the White River at Lots 6 and 7, Concession 5, Casey, was carried out by the ice in the spring of 1921. This bridge consisted of three 60-foot spans on pile piers with timber trestle approaches at each end. The new bridge comprises three 92-foot steel spans with two 16-foot trestle spans at each end, a total length of 340 feet. The two centre piers consist of three rows of piles extending to low water level. From the head of the pile, frame bents of 10 by 12 timbers extend up to the bridge seat. The steel spans rest on grillages made of 12 inch "I" beams, with the caps, posts and grillage, the bridge seat 19 feet above the heads of the piles. A heavy timber crib supplied with a cut-water is built around each pile pier. These cribs are well cross-tied and extend from the bottom to a level, 2 feet above the highest registered water level in the river. The crib is also filled with stones. The face of the cut-water is protected by a ¼ inch steel plate, 10 by 12 feet on each face, joined by an 8 inch angle. The plates are drift bolted to the face of the pier. The pier is also protected from the ice by an ice-breaker, 32 feet long, extending in front of the pier. This ice-breaker consists of a row of piles capped with a heavy timber. The timber is protected by a built-up angle, 32 feet long. The angle consists of two 12 by ½ inch plates joined by a 6 inch angle. This ice-breaker is placed on a slant from low to high water level. When the heavy floes of ice strike this breaker, they will slide up and break of their own weight. The shore piers consist of three rows of piles, extending up to the bridge seat. The bridge has a roadway 16 feet in clear width.

The steel was furnished by the Hamilton Bridge Co., at a contract price of $5,700.00. All the work on the bridge, including the erection of the steel was done under the direction of C. R. Dolmage, foreman Public Works. The greater part of the timber and plank used on the structure was supplied from the stock pile at Latchford. The total cost of the bridge was $14,618.50.



Break-up on White River—Temiskaming.

Log Jam on White River—Temiskaming.

Second Line Bridge, Brethour.—Located over Wright's Creek at Lot 8, in front of the 2nd Concession of Brethour. A timber bridge, 112 feet long. The centre span is 32 feet clear, supported by a King truss. The balance of the bridge is a pile trestle of 16 feet spans. The main piers supporting the truss consist of double rows of piles 6 feet wide. Caps, 10 by 12. Stringers, five lines of 10 inch flatted tamarac. Roadway 14 feet in clear width. The bridge was raised 4 feet above the old level. The hills were reduced at each side and 200 cubic yards of earth used in bringing the approaches up to the new level. W. E. Kerr was foreman in charge. Cost, $637.98.

Work was commenced on other bridges in this district, but the big fire wiped them out and work was stopped until winter.

Nipissing District Bridges.

Astorville Bridge.—The work of replacing the long wooden bridge over an arm of Nosbonsing Lake at Astorville was continued during 1922, and the work completed. $1,937.15 was expended during the season.

Athabaska Bridge, Bonfield.—Located over Athabaska Creek, Lot 15, Concession 11, Bonfield. A timber bridge with two spans of 15½ feet each. The abutments and centre pier are cedar cribs filled with stone. The balance of the ravine, 93 feet, is filled with stone, top-dressed with gravel. A strong guard rail is placed at each side of bridge and fill. Cost, $798.10.

Blanchett Creek Bridge, Ferris.—Located at Lot 21, Concession 17, Ferris. A concrete bridge with a clear span of 16 feet. Flat slab cover. Pipe rail with concrete posts. Approaches filled with stone and top-dressed with gravel. Cost, $600.00.

Blue Sea Bridge, Concession 7, Bonfield.—Located over Blue Sea Creek at Lot 16, Concession 7. A timber deck on concrete abutments. Span 17 feet clear supported by a King truss. The fill in the two approaches is 75 feet long, and from 2 to 6 feet in height. A strong guard rail is placed at each side of bridge and fill. Cost $736.00.

Boom Creek Bridge, Papineau.—Located at Lot 16, Concession 12. A timber bridge with a clear span of 25 feet. Abutments are stone filled. Cedar cribs 12 feet in height. The hills are cut down at each side and the approaches filled. The east fill is 80 feet long and west end fill, 75 feet long. A strong guard rail on each side of bridge and fill. Cost, $989.13.

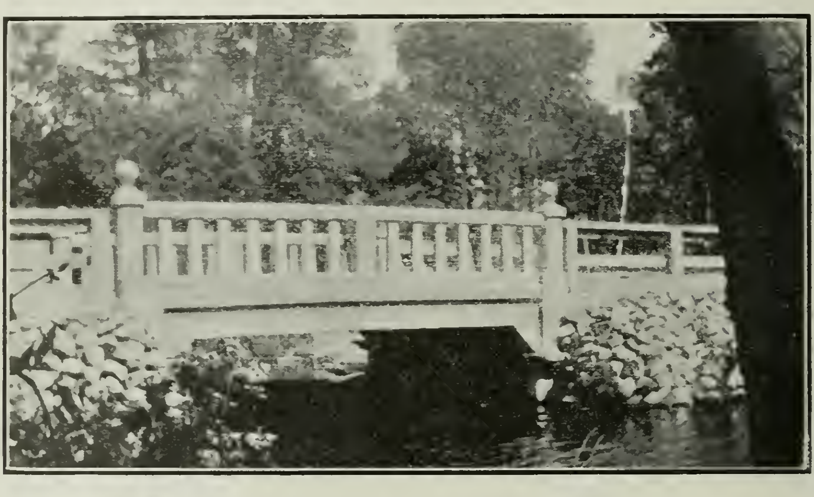
Burritt Creek Bridge, Concession 24, Cameron.—Located at Lot 9, Concession 24, Cameron. A timber bridge with a clear span of 18 feet. Cedar crib abutments. The deck is of flatted cedar. Approaches well graded. Cost, $582.00.

Burritt Creek Bridge, Concession 25, Cameron.—Located at Lots 5 and 6, Concession 25, Cameron. A timber bridge with a clear span of 26 feet, supported by a King truss. Abutments cedar cribs, stone filled. Deck flatted cedar. Approaches stone filled, and top-dressed with gravel. Cost, $787.00.

Cassells Street Bridge, North Bay.—Located over Chippewa Creek on Cassells Street in the Town of North Bay. A concrete bridge with a clear span of 20 feet. Length 34 feet over all. It has a roadway 20 feet wide with a 6-foot sidewalk on each side. Concrete railing. The abutments are sunk

3 feet below the bed of the stream and rest on firm soil. The floor is an 8 inch slab of concrete, well reinforced and is supported on seven girders of reinforced concrete. These beams or girders are 12 inches wide and 18 inches in depth below the floor level. Each beam is reinforced with four 1 inch square twisted steel bars. The bridge is raised well above the old road grade, necessitating an extensive fill at each side to bring the road grade up to the level of the bridge. $3,700.00 has been expended on the work. The concrete rail is yet to be placed and part of the fill put in. The work complete will cost about $4,200.00. The Town of North Bay has agreed to pay one-third of the cost of the bridge. J. W. Davis was foreman in charge.

Deschesney Creek Bridge, Widdifield.—Located at Lot 21, Concession 4, Widdifield. This bridge has a clear span of 20 feet. Rubble masonry abutments 9½ feet in height. The deck is of cedar and tamarac. The hills were cut down at each end, and a heavy fill placed at each approach. The north fill is 93 feet long, 20 feet wide and from 2 to 8 feet high. The south fill is 169 feet long, 25 feet wide and from 2 to 8 feet high. A strong guard rail 270 feet long is placed at each side of bridge and fill. Cost, $998.50.



Mosquito Creek Bridge—Trunk Road, Ferris.

Depot Creek Bridge, Chisholm.—Located at Lot 25, Concession 18, Chisholm. This bridge has a clear span of 20 feet cedar crib abutments and deck of flatted cedar. The approaches are stone filled and top-dressed with gravel. The east approach is 273 feet long, 20 feet wide and from 2 to 7 feet high. The west approach is 47 feet long, 20 feet wide and from 1 to 7 feet high. Guard rails on each side of bridge and fill. Cost, $990.00.

Grant Creek Bridge, Head.—Located over Grant's Creek, Lot 28, Concession "A," Head. A timber deck bridge, with a clear span of 20 feet. Rubble masonry abutments. Approaches filled with stone. Guard rail 80 feet long on each side of bridge and fill. Cost $841.06.

Lynch Creek Bridge, Airy.—Located over Lynch Creek in Airy Township. A timber bridge with a clear span of 15 feet. The east fill is 102 feet long, from

1 to 10 feet high, and the west fill is 133 feet long, from 1 to 9 feet high. The side railing extends over bridge and fill. Cost, $502.00.

Ninth Concession Bridge, Wassa-Chisholm.—Located over Wassa Creek at Lot 15 on the 9th line of Chisholm. A timber bridge with a clear span of 32 feet, supported by a King truss of 10 by 12 timbers. Abutments are cribs filled with stone. The timber used throughout was cedar. The approaches are properly graded. Cost, $850.00.

North Creek Bridge, Concession 4, Widdifield.—Located over North Creek at Lot 7, between Concessions 4 and 5. A timber bridge with a clear span of 21 feet, supported by a King truss. The abutments are cedar cribs 8 feet in height. The west approach 70 feet long and from 1 to 8 feet high is filled with earth and stone. The east approach similarly filled is 54 feet long. Guard rails extend over a length of 50 feet on each side of bridge and fill. Cost, $1,001.00.

Poverty Creek Bridge, Airy.—A timber bridge with a clear span of 18 feet. Cedar crib abutments, 7 feet high. Deck of flatted cedar. The two approaches are 85 feet in length, from 1 to 7 feet high, and are filled with earth and stone. Strong guard rails are in place on each side of bridge and fill. Cost, $480.00.

Whitney Creek Bridges.—Located at Lot 8, Concession 3, Whitney. Two timber bridges close together. Each has a clear span of 12 feet. Cedar crib abutments. Deck timber all flatted cedar. Approaches well graded. Cost, $498.15.

South La Vase Bridges, Ferris.—Located over the South La Vase Creek at Lot 32, Concession 12, West Ferris. Two timber bridges with clear spans of 14 feet. Cedar crib abutments, with deck timber of flatted cedar. Approaches properly graded. Cost, $581.00. All these bridges in Nipissing District were constructed by local foremen, under the direction of Patrice Rochefort, Road Inspector.

PARRY SOUND BRIDGES.

Beley's Bridge, Rosseau.—Located over a creek at Lot 4, Concession 6, west of Rosseau in Humphrey. A timber bridge 97 feet long. The old bridge was a pile trestle. An entirely new deck was placed on the old piles, caps, stringers, floor and railing. Cost, $465.78.

Byng Inlet Bridge.—A new timber bridge over the Still River at Dunlop Station on the C.P.R., Sudbury Branch. The bridge was constructed to afford access to the railway station for the residents of Byng Inlet. The bridge is 110 feet long, and consists of a centre truss span 45 feet long, with two 16 feet approach spans at each end. The deck is carried on pile bents. The bents supporting the truss have 10 piles in each. On the up-stream side, five piles are driven close together and capped. The extra piles are placed to resist the ice pressure. The piles were secured locally, and the bridge timber is all British Columbia red cedar delivered at Dunlop, at $49.50 per M. An extensive fill was placed at the east end of bridge to raise the road to the level of the railway adjoining. Amos Train was foreman in charge. Total cost, $2,953.23.

Cascade Bridge, Parry Sound.—Located over the Sequin River in the Town of Parry Sound, immediately below the Power Plant. The bridge consists of two steel deck truss spans 70 feet each in length. A concrete approach span 25 feet long. A fill at the east end, 125 feet long, and a fill at the west end 200 feet long. The roadway is 18 feet in clear width, with a 6-foot sidewalk on the up-stream side. The fills have a top width of 24 feet with side slopes of 1 to 1. The speel spans are supported on concrete piers and abutments. The concrete work and the erection of the steel was under the direction of S. Cole, foreman Public Works. The fills were made by John Argue at a contract price of 75 cents per cubic yard. The steel spans were supplied by the Hamilton Bridge Works at a contract price of $5,170.00. The total cost of the bridge was, $16,181.47, of which sum the Town of Parry Sound contributed $8,000.00.

Dunchurch Bridge.—Located over a stream in the Village of Dunchurch on the McKellar-Dunchurch Road, in the Township of Hagerman. It is a concrete bridge with a clear span of 30 feet, with a roadway 14 feet in clear width. The deck is supported on concrete abutments 18 feet in height to the floor level. An 8 inch floor slab is carried on four main girder beams. These beams are 12 inches wide and 36 inches deep, each reinforced with five bars of 1 inch square twisted steel. The floor is reinforced with ⅝ inch square bars. The railing is of moulded concrete posts. The approaches are filled with rock to high water level, and top-dressed with earth. Walter Robinson was foreman in charge. The railing and grading were not fully completed when winter set in. Cost to date, $2,945.02. $200.00 should fully complete the work.

Maple Island Bridge.—Located over the Magnetawan River on the McKellar-Dunchurch Road in the south-east corner of the Township of McKenzie. The river is divided into two channels by an island. An 80-foot steel bridge was placed over each channel. The abutments are solid concrete. At the south bridge, the abutments are 6 feet wide at the base, and are 17 feet in height to the floor level. At the north bridge, the abutments are 6 feet wide at the base, and are 19 feet in height to the floor level. The approaches are well filled with earth and rock, and are protected with guard rails. The bridges are furnished with concrete floors, well reinforced. The steel was supplied by the Hamilton Bridge Co., at a contract price of $2,960.00. The total cost of both bridges was $11,227.72. The cost is high, but the location is difficult of access and transportation costs were very high. T. J. Paget was foreman in charge.

Whitestone Bridge.—Located over the outlet of Whitestone Lake in the Township of McKenzie. It is a timber bridge 240 feet long. There are three truss spans of 34, 36 and 25 feet, supported on timber cribs. The balance of the structure is a pile trestle. Part of the crossing was filled in. T. J. Paget was foreman in charge. $4,193.00 was expended on the bridge.

MUSKOKA DISTRICT BRIDGES.

Beaumaris Bridge.—Located over the channel between Beaumaris Island and the east shore of Muskoka Lake in the narrows of Milford Bay. This is a pile trestle bridge 218 feet long. The centre opening is 32 feet wide and 12 feet clear in height, supported by a King truss. The truss is supported on double pile piers, 5 feet wide. The balance of the structure is a pile trestle, the bents being driven at 16 feet centres. The bents are securely braced in each direction. The roadway is 14 feet in clear width. Piles were secured locally, and the balance of the timber in the structure is British Columbia fir, purchased at a price of $49.25 per M., f.o.b. Bala. One 16-foot span at each end was filled in to improve the approaches. Amos Train was foreman in charge. Cost, $2,853.00.

Black Bridge, Draper.—Located over the south branch of Muskoka River at Lot 7 in the 7th Concession of Draper. The old bridge at this point consisted of two steel spans on timber abutments, with a timber crib pier in the centre of the stream. The centre pier was undermined by scour, and was tipping over. It was decided to select a new site and cross the stream with a single span. A site was selected about 300 feet up-stream from the old site. The rock crops out the west bank, giving a site for an abutment. On the east side, the bottom is soft, and a pile foundation was driven for the concrete abutment. The steel span is 120 feet long, with a 14 -foot roadway. A concrete floor is placed on the bridge. The steel was supplied by the Standard Steel Construction Co., of Welland, at a contract price of $3,240.00. All work in connection with the bridge, including the erection of the steel was done under the direction of Wm. Lowe, Public Works foreman. The total cost of the bridge was $7,777.00. The old steel was taken down. One span was erected at Fawcett's Crossing of the south branch in Draper, and the other span was over a stream on the McGillis Road in Draper.

CROZIER'S BRIDGE, MUSKOKA.

Macey's Bridge, Baxter.—Located over a stream on the main road between Port Severn and Honey Harbour in the Township of Baxter. It is a concrete bridge with a clear span 10 feet. Flat slab floor. Concrete post railing. A heavy fill was placed at each end of bridge. Cost, $782.00.

Muskoka Falls Bridge.—The Town of Bracebridge erected a new steel bridge over the Muskoka River on the Muskoka Road in the town. The old pin connected truss span was too light for present-day traffic. The old steel was turned over to the Department of Public Works to be used at another site, and the Department paid over a grant of $5,000.00 to assist on the construction of the new bridge.

North Branch Bridge, Macaulay-Stephenson Townline.—This bridge has a clear span of 129 feet. The old steel, a pin-connected truss, with an 18-foot roadway, taken from the Muskoka Falls Bridge in Bracebridge, was placed on concrete abutments. The west abutment, 20 feet in height to the bridge seat and rests on a rock foundation. On the east side, the steel is supported on a concrete pier, resting on a pile foundation. An approach span, 22 feet long, is placed between the pier and the east bank. This span is covered with steel beams. The floor of the bridge is of pine plank. The approaches are well graded. Total cost, $4,305.00.

Skeleton River Bridge, Watt.—Located at Lot 42, Concession "B," over the Skeleton River at the foot of Skeleton Lake. A concrete beam bridge with a clear span 25 feet. The abutments rest on pile foundations, and are 10 feet in height to the floor level. The approaches are well graded. Cost, $1,451.00.

Twenty Side Road Bridge, Monck.—Located over a creek on the 20-21 Side Road, Concession 13, Monck. A concrete bridge, with a clear span of 25 feet. The abutments rest on pile foundations and are 10 feet in height to the floor level. Approaches well graded. Cost, $1,638.00. All the work in Muskoka was done under the direction of Wm. Lowe.

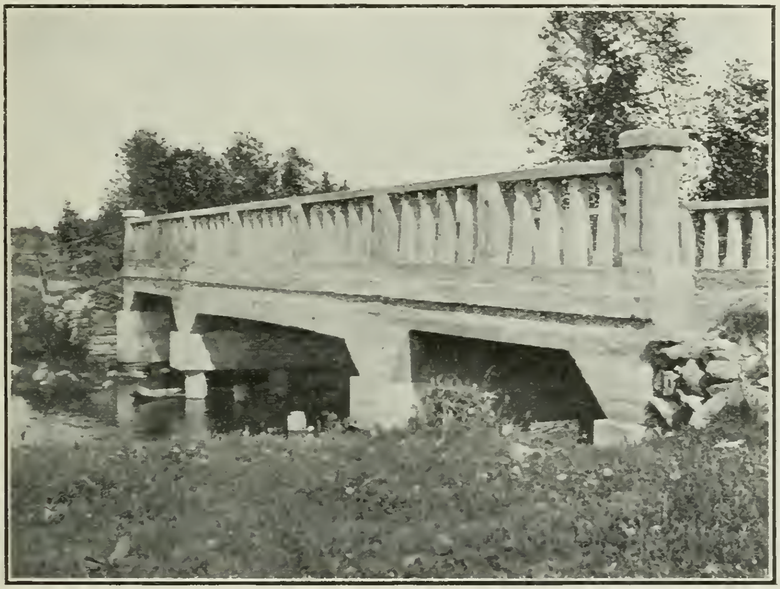
SIMCOE BRIDGES.

Avon River Bridge, Concession 5, Medonte.—Located over the Avon River at Lot 10, on the 5th Concession line of Medonte. A concrete pile bridge with a clear span of 16 feet. There is a bad horseshoe bend in the creek, where the old bridge is located, and the stream is constantly cutting away the north bank. It was decided to straighten the creek across the road and place the bridge on the new cut. It was necessary to make a cut 12 feet deep through a sharp ridge. The old course of the creek was filled with the earth taken from the new cut. Cost $1,495.00.

Mathewson Creek Bridge, Flos-Vespra.—Located over Mathewson Creek at Concession 3, on the Flos-Vespra Townline. It is a concrete culvert, 10 feet wide, and 6 feet high, inside measure. The length at the top is 47 feet, and the wings extend 9 feet at each corner. The side walls are reinforced and are 2 feet wide at the bottom, and 15 inches thick, reinforced with ¾ inch square bars at 6 inch centres. The bottom, or floor of culvert is 12 inches thick. It extends to outer ends of wing walls, and is reinforced with ⅝ inch bars. A sill, 12 inches wide and 3 feet deep is placed under the floor at each end to guard against any chance of the water working under the floor. The fill over the top of culvert is 12 feet high, and is 18 feet wide on top, with side slopes of one to one. A strong guard rail is placed at each side of fill. Cost of culvert and fill, $2,232.00.

North River Bridge, Concession 7, Orillia.—Located over North River on the 7th Concession line of Orillia Township. It is a concrete trestle, 50 feet long, and comprises a centre span 25 feet clear with approach spans of 10 feet at each end. The concrete piles in the two centre bents are 17 feet long, and in the two outer bents are 15 feet long. The roadway is 14 feet in clear width. The structure spans the stream from bank to bank, and no fills were required. Cost, $2,470.00.

Sideline Bridge, Tiny.—Located on a creek on the side road between Lots 85 and 86 in the 2nd Concession of Tiny. It is a covered culvert, 6 by 8 feet, inside measurement. The top of the culvert is 40 feet long. The fill is 11 feet high over the culvert, providing a roadway 18 feet wide, which is protected on each side with a strong guard rail. Wing walls, 9 feet long, extend out from each corner of the culvert. The principal part of work was done during the winter. The total cost was $3,305.52.



North River Bridge—7th Line Orillia.

Tenth Line Bridge, Flos.—Located over a creek at Lot 20 on the 10th Line of Flos. It is a concrete culvert with a waterway, 10 feet wide, and 6 feet in height. The top of the culvert is 45 feet long. Wing walls, 9 feet long, extend out from each corner of culvert. The side walls are 18 inches thick at the bottom, 15 inches wide at the cover. The top and bottom slabs are 12 inches thick. The whole structure is well reinforced with ½ inch and ⅝ inch square twisted bars. The fill is 11 feet high over top of culvert, and provides a roadway 18 feet wide. The roadway over the fill is protected on each side by a strong guard rail. Cost, $2,156.64.

West Gwillimbury Bridges.—In March, 1921, the County of Simcoe was visited by an unusual rainfall, that might be properly classed as a waterspout. In the following May, a similar storm visited the same district. The resultant flood caused great damage to bridges and culverts. The Township of West Gwillimbury suffered most severely and applied to the Department for aid. J. W. Hackner, an engineer of the Department, made an inspection of the bridges damaged and destroyed, and reported that it would cost the township $60,000 to make good the damage. A grant of $5,000 was voted in the estimates and paid to the Township of West Gwillimbury. All the bridge work done by the Department in Simcoe County was carried out under the direction of Amos Train, Public Works foreman.

Grey and Bruce Bridges.

Five Sideline Bridges, Lindsay.—Located over creeks on the 5th Sideline, in the 2nd Concession of the Township of Lindsay. The bridges are about a quarter-mile apart. The bridges are both of concrete. The west bridge has a clear span of 25 feet. The abutments are 12 feet in height to the floor level. The 8-inch floor, reinforced with ⅝ inch bars, is carried on four girder beams. These beams are 24 inches deep, and 12 inches wide, and are each reinforced with five bars 1 inch square. The railing is of moulded concrete posts. The approaches are well graded.

The east bridge has a clear span of 14 feet. The abutments are 11 feet in height to floor level. The floor is a flat slab, 14 inches thick, reinforced with ⅝ inch bars spaced at 12 inch centres. The railing is a concrete slab, supported on each side by three main posts, 12 inches square, reinforced with ⅝ inch bars. Approaches well graded. S. Cole was foreman in charge. Cost of both bridges, $2,938.27.

Sarawak Bridge, Indian River.—Located over the Indian River on the 22-23 Sideline, Concession 1, Sarawak. The old bridge had a timber deck on concrete abutments. The structure had two piers and two abutments built on a skew to line in with the stream. The total length of the bridge was 75 feet. The three openings provide a waterway 55 feet 6 inches wide. The centre piers were too short to carry a 16-foot deck, and both had to be extended 2 feet. The new deck consists of four lines of girders 24 inches deep and 12 inches wide, reinforced with five bars 1 inch square. The floor slab is 8 inches thick at the centre, and is reinforced with ⅝ inch square bars. The railing is of moulded concrete posts. The approaches were properly graded. Cost, $1,480.56. S. Cole was foreman in charge.

Twenty-sixth Concession Bridges, Keppel.—Locally known as Big Bay Bridges. One is located at Lot 36 on the 26th Concession Line, and the other on the 25 and 26 Sideroad in Concession 26, Keppel. Each bridge has a clear span of 14 feet. The floor is a 12 inch slab, reinforced with ⅝ inch square bars. The railings are 3 inch concrete slabs, supported by three 12 by 12 concrete posts, well reinforced. The approaches are well graded. S. Cole was foreman in charge. Cost of two bridges, $1,541.93.

Victoria and Haliburton Bridges.

Burnt River Bridge, Somerville.—Located over Burnt River at Lot 4 on the 11th Concession Line of Somerville, near Watson's Siding on the G.T.R. The bridge is 169 feet long, and comprises one steel span of 80 feet, with a timber trestle approach at each end. The steel span is supported at each end by double pile piers 6 feet wide, 17 piles in each pier. The piers are sheeted with 2 inch plank from low to high water level. The bridge seat is a grillage of 12 inch "I" beams. The trestle approaches are bents of piles (four piles in each) driven at 16-foot centres. The stringers are 10 inch flatted timbers. The floor is 3 inch plank throughout. Considerable filling was required at the east end of the bridge. The steel span which is equipped with steel floor joist was supplied by the Dominion Bridge Co., at a contract price of $2,770.00. P. R. Switzer was foreman in charge. Total cost, $5,031.00.

Eagle Lake Bridge.—Located at the outlet of Eagle Lake at Lot 25, Concession 3, Guilford. A concrete beam bridge with a clear span of 16 feet 9 inches, built in connection with the new concrete dam by the Department of Railways and Canals, Canada. The side walls of the dam were extended down stream to provide a roadway, 14 feet in clear width. The concrete floor is supported by four main beams, 18 inches deep, reinforced with four ⅞ inch square bars. The floor is reinforced with ⅝ inch bars. A gas pipe railing is placed at each side of the bridge. The approaches are well graded. The work in connection with the bridge was carried out by the Department of Railways and Canals, at actual cost of labour and material. The bill submitted amounted to $2,051.61. The work was entirely satisfactory.

Maple Lake Bridge.—Located east of Maple Lake, Lots 30 and 31, Concession 5, Stanhope. The bridge is a concrete trestle with an overall length of 60 feet 2 inches. It comprises a centre span 26 feet clear, with approach spans at each end of 15 feet. The two centre bents have five concrete piles in each, and the two end bents have four piles each. Four girder beams carry an 8 inch floor. Over the centre span the beams are 27 inches deep, and on the end spans the beams are 15 inches deep, all reinforced with 1 inch square twisted bars. The floor is reinforced with ⅝ inch bars. The railing is of moulded concrete posts. The fill at each end is of rock which is allowed to fall to a natural slope around the end piles. P. R. Switzer was foreman in charge.

Middle Branch Bridge, Dysart.—Located over the middle branch of Burnt River on the Buckhorn Road, Lot 20, Concession 2, Dysart. It is a concrete beam bridge with a clear span of 30 feet. Roadway 14 feet in width. The abutments are of concrete, and are 14 feet in height to the floor level. A very heavy fill is placed at each end of the bridge. Each fill is made of rock to high water level, and is top-dressed with earth. P. R. Switzer was foreman in charge. Cost, $3,398.00.

Minden Mills Bridge.—Located over the Gull River at Lot 3, Concession 3, Minden. The Government dam at this point adjoins the old bridge. The new bridge which is 117 feet long, is built in connection with the dam. The piers of the dam were all extended sufficiently to provide a roadway 14 feet wide. The new deck consists of five lines of 12 inch flatted stringers. The floor is of 3 inch plank. A guard rail was placed on the lower side of the bridge. The approaches are properly graded. P. R. Switzer was foreman in charge. Cost, $1,924.48.

Mink Lake Bridge, Dudley.—Located over a branch of Burnt River, the outlet of Mink Lake at Lot 3, Concession 2, Dudley. A concrete beam bridge with a clear span of 20 feet. The abutments are 12 feet in height to the floor level. The approaches are well graded. P. R. Switzer was foreman in charge. Cost, $970.78.

NORTH HASTINGS BRIDGES.

Egan Creek Bridge, Dungannon.—Located over Egan Creek at Lot 6, Concession 10, Dungannon. A steel bridge, 70 feet long, C to C of bearings. Roadway 14 feet in clear width. The abutments are of concrete, 12 feet in height to the floor level. Bottom, rock. The floor is a reinforced concrete slab 6 inches thick. The steel span was supplied by the Hamilton Bridge Works Co., at a contract price of $1,370.00. The steel was erected by P. R. Switzer, Public Works foreman. The concrete work was under the direction of F. E. Brown, Road Inspector. The total cost of bridge was $3,228.00.

Moira River Bridge, Hungerford.—Located over the Clare River on the road east of Stoco Lake, Lot 16, Concession 9, Hungerford. This is a steel span, 60 feet long, 14 feet clear roadway. The abutments are concrete work. The steel span was supplied and erected by this Department. The Hamilton Bridge Works furnished the steel at a contract price of $1,287.00. The steel was erected by P. R. Switzer, foreman Public Works. Total cost to the Department, $1,486.69.

ADDINGTON BRIDGES.

Bolton Creek Bridge, Oso.—This bridge and fill is 515 feet long. The bridge is 75 feet long, supported on cedar cribs and a centre pier. The cribs are filled with stone. Cover, 4-inch plank. The approaches are built up of rock, top-dressed with gravel. A strong guard rail is placed on each side of bridge and fill.

Clarendon Road Bridge, Olden.—Located at Lot 27, Concession 10, Olden. Two timber bridges over small creeks. One bridge has a span of 20 feet, and the other a span of 12 feet. The piers and decks are all of cedar timber. Cost, $300.00.

Dead Creek Bridge, Kennebec.—Located over Dead Creek on the Harlowe-Dead Creek Road. A timber bridge, with a clear span of 16 feet. All timber cedar. Approaches well graded. Guard railings in place. Cost, $499.47.

McCausland Bridge.—Located on the Harlowe-Dead Creek Road. A timber deck on concrete abutments. The bridge has a clear span of 12 feet. Approaches well graded. Cost, $396.00.

Stony Creek Bridge, Barrie.—A timber bridge with a clear span of 15 feet. The abutments are cedar cribs. Stringers and floor are of flatted cedar. Approaches well graded. A strong guard rail is in place on each side of bridge and fill. Cost, $340.82.

Opinicon Lake Bridge, Storrington.—This bridge is built of stone, with a concrete top. The abutments are 6 feet high with wing walls extending well back at each corner to protect the road. Cost, $297.65. W. W. Pringle, Road Inspector, was in charge of all the work in Addington and Frontenac.

RENFREW BRIDGES.

Ashdod Bridge, Bagot.—Located over Halliday Creek, east of the Village of Ashdod. A timber bridge with two spans of 25 feet each. The centre pier is 8 by 16 feet, 8 feet high. The stringers are flatted cedar. Cover cedar plank. A strong guard rail is placed at each side of bridge and fill. Approaches well graded. Cost, $498.00.

Bonnechere Bridge, Richards.—Located over the Bonnechere River at Lot 25, Concession 6, Richards. A timber bridge with a clear span of 25 feet, supported by a king truss. Abutments are timber cribs, 8 by 16 feet, 8 feet high, filled with stone. Approaches well graded and gravelled. A strong guard rail on each side of bridge and fill. Cost, $400.00.

Byers Creek Bridge, Sherwood.—Located over Byers Creek on the Opiongo Line. A timber bridge with a clear span of 18 feet. Crib abutments resting on buried mud sills. Approaches well graded. Cost, $498.00.

Byers Creek Bridge, Hagarty.—Located over Byers Creek, Concession 8, Hagarty. A timber bridge 20-foot span. Crib abutments stone filled. Approaches filled with rock and top-dressed with gravel. Cost, $399.00.

Chalk River Bridge.—Near the village of Chalk River in the Township of Buchanan. A top deck of 3-inch plank, 8 feet long, was placed over the old cover, which is 120 feet in length. Some decayed stringers were replaced, and a new railing placed on each side of bridge. Cost, $215.12.

Cole Creek Bridge, Hagarty.—Located over Cole Creek, Concession 6, Hagarty. A concrete beam bridge with a clear span of 25 feet. Roadway, 14 feet in clear width. The abutments of concrete are 8 feet 6 inches in height to the floor level. J. W. Davis was foreman in charge. Cost, $1,796.31.

Dam Lake Bridge, Raglan.—The old bridge was shortened up to a 30-foot span, and a new deck with railings supplied. The approaches about 60 feet long at each end were rock filled to a height of 6 feet, and top-dressed with gravel. Cost, $300.00.

Devine's Bridge.—Located over Gorman's Creek, Lot 3, Concession 14, Brudenell. A timber bridge with a clear span of 15 feet. Approaches 110 feet in all, filled with stone and top-dressed with gravel. A strong guard rail is placed at each side of bridge and fill. Cost, $298.50.

Green Lake Bridge.—Located at Lot 11, Concession 22, Wilberforce. A timber bridge with a clear span of 20 feet. Crib abutments rest on buried mud sills. Cover and stringers flatted cedar. A new channel 100 yards long was made in the creek to cut out a curve in creek bed and bring the current in a straight line to the bridge. Approaches are well graded. Cost, $500.00.

Highland Creek Bridge, Lyndoch.—Located at Lot 4, Concession 14, Lyndoch. This bridge was shortened to a 12-foot span. Timber crib abutments, stone filled. The deck is of flatted cedar. Approaches are rock fills, top-dressed with gravel. Cost, $300.00.

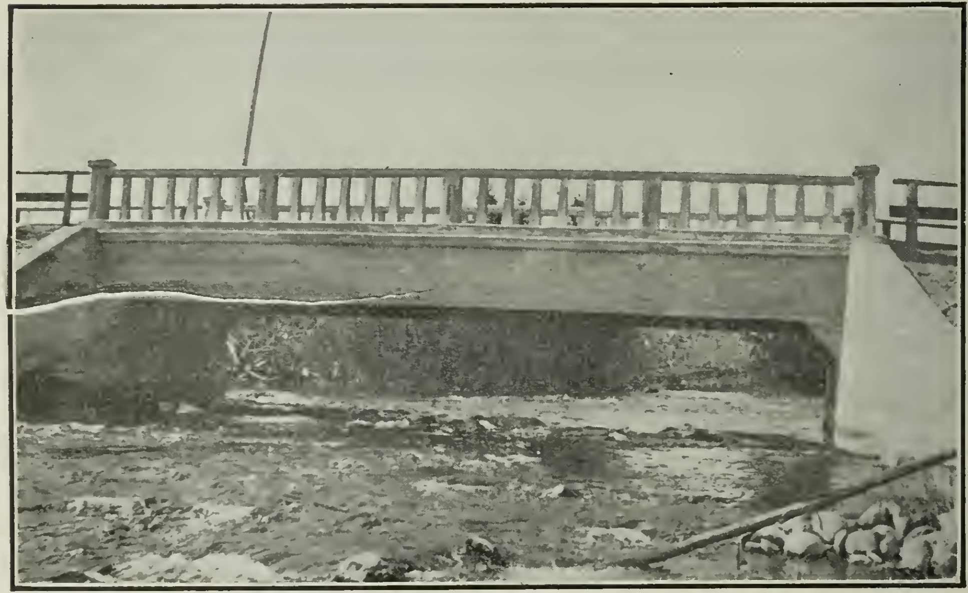
Hurd Creek Bridge, Grattan.—Near Eganville Station on the G.T.R. A concrete beam bridge, with a clear span of 40 feet. The abutments are of concrete on a boulder bottom. The height to floor level is 13 feet. The 6 inch floor slab is carried on four beams, 12 inches wide, and 40 inches deep below the floor. Each beam is reinforced with six 1 inch square twisted steel bars. The floor and railing are reinforced with ⅝ bars. The railing is of moulded concrete posts. Heavy fills are placed at each end of the bridge. The roadway is 14 feet in clear width. J. W. Davis was foreman in charge. Cost, $3,051.55.

Keil Bridge, Lyndoch.—Located over a ravine at Lot 7, Concession 15, Lyndoch. This is a stone fill, 30 rods long, top width 16 feet, height from 3 to 8 feet. A small stone culvert is placed in the middle of the fill. Cost, $300.00.

Mississippi Bridge, Raglan.—Located on the Little Mississippi River, Lot 6, Concession 6, Raglan. A timber bridge with a clear span of 34 feet. Crib abutments, 13 feet high, partly filled with stone. The deck is of flatted cedar. Approaches stone filled and top-dressed with gravel. A strong guard rail is placed on each side of bridge and fill. Cost, $400.00.

Mud Creek Bridge, Brudenell.—Located over Muddy Creek at Lot 5, Concession 2. A timber bridge with a clear span of 18 feet. Crib abutments stone filled. The deck is of flatted cedar supported by a king truss. The south approach is 80 rods long, filled with stone to a height of 3 feet. Top width 16 feet. The north approach, 40 rods long, is raised with stone from 2 to 3 feet. Top width, 16 feet. Top-dressed with gravel. Cost, $600.00.

Petewawa Bridge.—Located over a creek at Lot 10, Concession 5, Petewawa Township. A clear span of 12 feet. The abutments are of rubble masonry set in cement mortar, height 12 feet. Stringers flatted cedar. Cover 3-inch cedar plank. Approaches filled with stone and gravel. Guard rails on each side of bridge and fill. Cost, $501.10.



HURD CREEK BRIDGE—CON. 21, GRATTAN.

Seventh Concession Bridge, Sebastopol.—Located over Warenkie Creek at Lot 10, Concession 7, Sebastopol. The ravine was filled with stone, leaving a culvert 8 feet wide. The fill is 80 feet long and from 6 to 10 feet in height, with a top width of 16 feet. It is top-dressed with gravel. Cost, $571.00.

South Algona Bridge.—Located at Lot 14, Concession 5, South Algona. A timber bridge with a clear span of 16 feet. Crib abutments filled with stone. The abutments rest on through mud sills buried below the bed of the creek. The deck is of flatted cedar. The approaches about 15 feet long on each side of bridge are built of stone and top-dressed with gravel. Cost, $300.00. J. H. Zummach, local Road Inspector, was the supervising foreman on all the timber bridges in Renfrew County.

NAVIGATION WORKS.

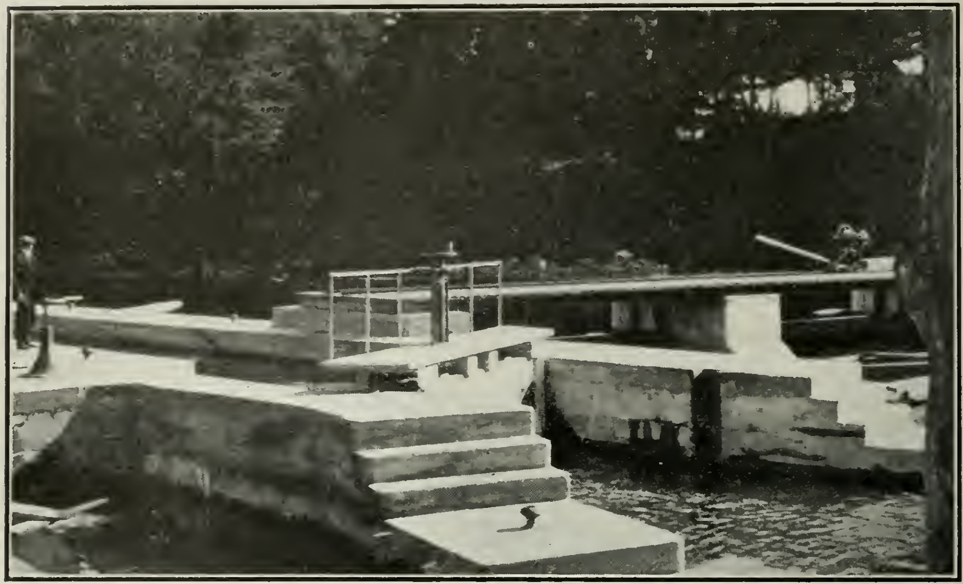
Magnetawan Dam.—The old timber dams at the Magnetawan lock were all renewed in rubble masonry. At the close of navigation in 1921, T. J. Paget was placed in charge of this work. The work was completed in April, 1922, in ample time for the spring flood. The Magnetawan River is divided into two channels by an island at this point. The lock and main dam are on the north channel. The main dam extends from the island to the north shore in line with the upper gate of the lock. The dam consists of four stop log openings, two at each side of the lock. Two are 20 feet long, and two are 21 feet long. The piers are 11 feet high, 5 feet wide, and 14 feet long. Steel chaces are provided for the stop logs. A stone wall or breakwater extends from the north pier of the dam north to the main shore. This wall is 207 feet long, 3 feet wide on top, and battered 1 in 3 on the back. The wall varies in height from 2 to 5 feet. It acts as a spillway in very high water. On the back channel, the dam has three openings of 20 feet each. The piers are similar to those in the main dam, but of less height. The spillway west of the dam is 19 feet long, similar in construction to the spillway in the north dam. Provision is made here for a fishway, but it has not yet been installed. The deck for both dams consists of 3 inch plank, supported on four lines of 10 inch steel I beams. The decks are 12 feet wide. Elevations of the structure are as follows: Top of lock platform, 69.00; top of upper mitre sill, 57.00; top of new dam, 70.10; top of sills, main dam, 60.00; top of north spillway, 66.00; navigation level above lock, 65.50; top of platform back channel, 71.10; sill in east sluice, back channel, 61.00; sill in two west sluices, back channel, 62.00; top of spillway, back channel, 66.00. In the main dam, two of the sluices have been lowered 2 feet, and two 1 foot below the sills of old dam. In the back channel, one sluice is lowered 12 inches and two sluices lowered 6 inches.

At navigation level, the area of openings in the new dam is 760 square feet, as against 646 square feet in the old dam. The extra depth of sluices will also materially increase the discharging capacity. The entire work is finished in a very satisfactory manner. The total cost was $15,907.00.

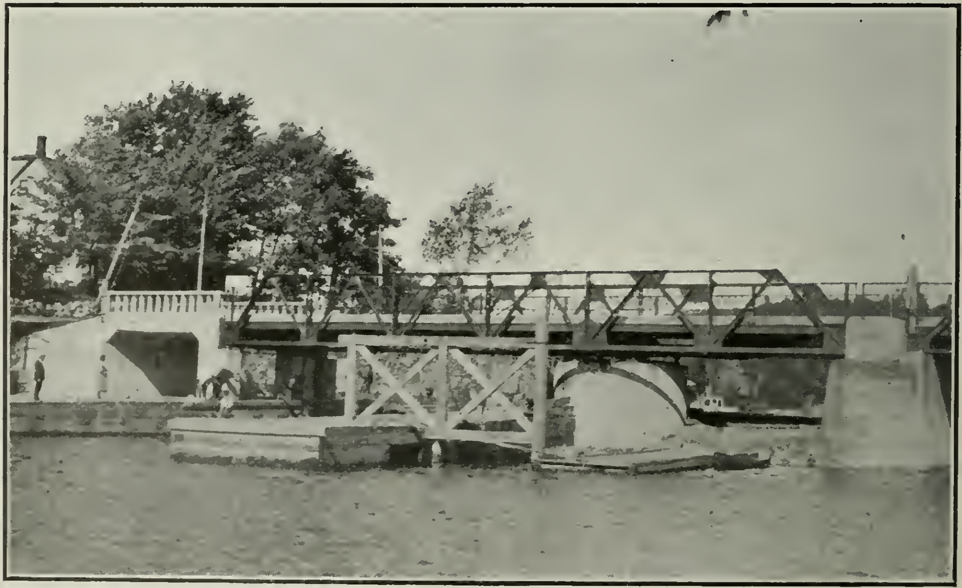
PORT CARLING WORKS.

At the close of navigation in 1921, work was commenced on the renewal of the locks, docks, wharves, dams and bridges at Port Carling. The old works, all of timber construction, were completely played out. All the timber above the water line was completely rotten.

The lock was emptied, all defective timber removed, new timber supplied and the entire lock lined with 4-inch British Columbia fir. New machinery was supplied for operating the lock gates. This machinery was supplied by the Wm. Hamilton Company, of Peterboro, at a contract price of $6,700.00. New decks of British Columbia fir were placed on all the docks and wharves. The entire length of dock covered was 1,275 feet, varying in width from 12 to 26 feet. The top timbers, stringers and floor were all renewed with British Columbia fir, dressed on one side.



New Lock for Motor Boats—Port Carling.

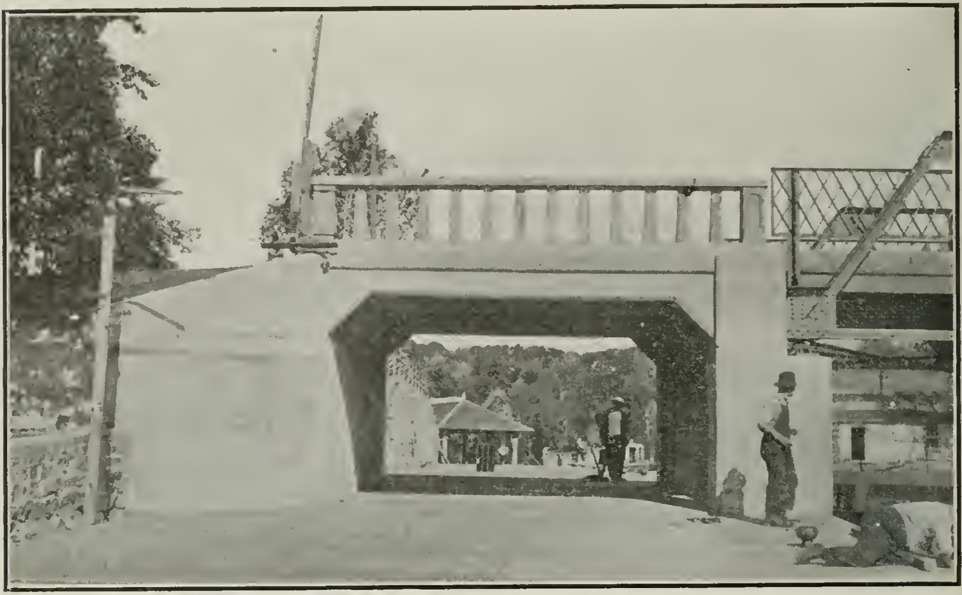


New Swing Bridge—Port Carling Lock.

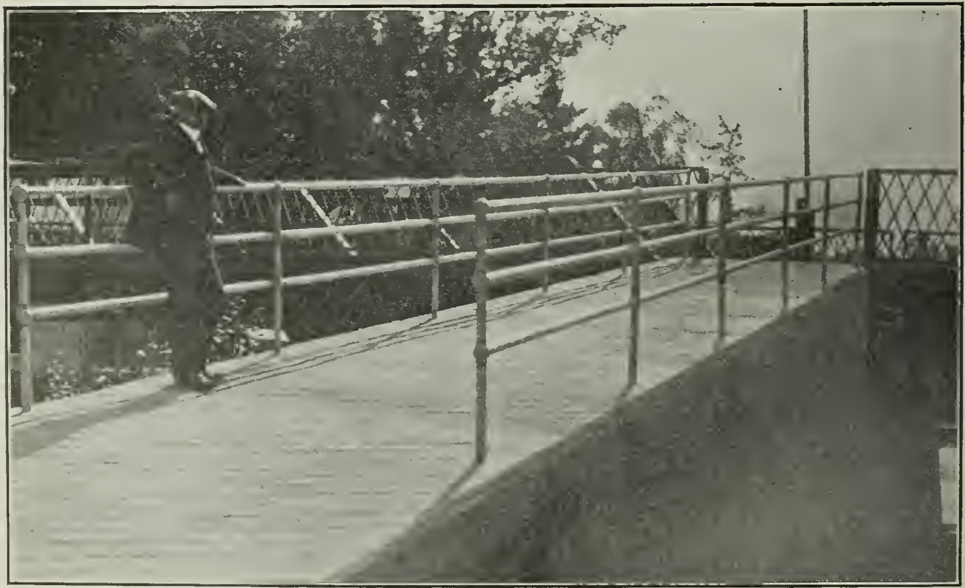
The old swing highway bridge crossed the locks in an awkward position, making two troublesome curves in the road. The dock was blocked by the roadway. New bridges of steel were placed in line with the centre of the main street of the town, and a subway was supplied beneath the approach to the bridge. The dock is now on the level throughout. The new steel swing and highway bridge are designed for a roadway 16 feet in clear width, and a side walk 5 feet in clear width. The swing span has unequal arms. The long arm over the lock is 50 feet long, and the short arm 30 feet long. The bridge over the back channel is 80 feet long, C to C of bearings. The bridges have a clear height of 15 feet over navigation level of Lake Muskoka. The abutments are mass concrete. At the north end of the bridge an approach span is constructed over the dock. This approach provides a passage on the dock 16 feet in clear width, with a clear height of 8 feet. The dock immediately north of the lock was widened 10 feet by blasting the rock ledge. A new rubble masonry wall was built up and a new concrete stairway was provided. A railing of galvanized pipe is placed on top of the wall. Ornamental concrete posts are provided for electric lights. A ramp of concrete was provided to afford access from the highway bridges to the island south of the lock. The steel for the swing and highway bridge was provided by the Dominion Bridge Co. at a cost of $6,739.60.

Small Lock.—The traffic through the large lock had become so congested that much delay was caused in the passage of small craft. The passage of small boats through the lock along with the large boats was always dangerous. It was decided to construct a small lock for the accommodation of motor boats and canoes. A lock was constructed on the back channel. This lock is of concrete, 12 feet in clear width and 65 feet 3 inches in length between gates. Single leaf gates are provided at each end, operated with swinging gear supplied by the Wm. Hamilton Co. of Peterborough. The upper mitre sill is placed at elevation 738.50 and the lower at 736.00, each providing 4 feet of water at standard navigation level. This lock has a 6 inch concrete floor well reinforced. The lock walls are 3 feet 6 inches wide at the bottom and 18 inches wide at the top. Buttresses 18 inches wide and 4 feet 6 inches long are placed at 10 feet 8 inches centres. The platform resting on wall and buttresses is a 6 inch concrete slab, well reinforced. The elevation of the top of platform is 744.50, 2 feet above navigation level of Lake Rosseau. The space behind the lock is filled to the level of the platform. It is intended next season to construct low docks for small craft, extending up and down stream from the small locks. These docks may be extended from year to year, as the necessity arrives.

Concrete Dam.—A new concrete dam was provided. The new dam is on the back channel and is located down stream from the old dam, the north end being 50 feet and the south end 120 feet from the old dam. The dam is joined to the small lock in line with the lower gate. It consists of 4 stop log openings of 20 feet each. The top of sills are set at elevation 738.00, 2 feet below navigation level. Five stop logs are used in each sluice. The stop log gains are all supplied with steel chaces, between the south pier and the bank a wall of rubble masonry is placed. This wall is 3 feet wide on top and 6 feet wide at the bottom. The top of platform is set at elevation 746.30, well above flood level. The platform is 10 feet wide and is carried on 5 lines of 7-inch steel I beams. The piers and sill beds are all of concrete resting on a firm bottom of boulders and gravel. The channel above the dam is to be dredged out to a depth of 6 feet. The excavated material, boulders and gravel, will be used in filling in behind the small lock and low dock.



New Concrete Subway and Widened Dock at Port Carling.



Ramp from New Bridges to Island Park—Port Carling.

For the low dock we propose to place a 6-inch concrete slab on a timber crib, filled with stone. The timber will extend to navigation level and the concrete slab will be 12 inches higher.

John Martin, Public Works Foreman, was in charge of the work at the old lock and adjoining dock. William Lowe, Public Works foreman, had charge of all other work, highway bridges, small lock, dam and outlying docks. The total expenditure on the complete work in 1921 and 1922 was $78,023.53.

NORMAN DAM.

New stop logs were provided for the Norman Dam. Fifty-six logs, 22 feet long, 16 inches square, and 70 logs, 17 feet long and 14 inches square, all of British Columbia fir, were dressed, painted and properly ironed. All defective logs were removed and replaced by the new logs. A number of the old 22 foot logs, with worn ends but otherwise serviceable, were cut to fit the 16-foot sluices. These logs are as good as new ones. $2,617.27 was expended on this work.

REPAIRS TO BRIDGES AND OTHER PUBLIC WORKS OUT OF THE MAINTENANCE FUND.

KENORA DISTRICT.

Beaver Creek Bridge, 6th Line, Aubrey.—Located at Lot 11 on the 6th Line of Aubrey. A pile trestle bridge, 42 feet long. Four bents of four piles each. Floor and stringers flatted timber. Approaches well graded and a strong guard rail at each side of bridge and fill. Cost, $580.00.

Beaver Creek Bridge, Lot 6, 2nd Line, Sandford.—A pile trestle bridge, 112 feet long. Eight bents of four piles each driven at 16-foot centres. The bents are well braced. Caps 10 by 12. Stringers, five lines 10-inch flatted timbers. Floor, 3-inch plank. Strong guard rails in place. $531.00.

East Mellick Bridge.—This bridge was strengthened to carry traffic. $92.72.

McLeod Creek Bridge, Lot 8, Concession 3, Van Horne.—Twenty-four new piles were driven, the bridge raised and the covering replaced. Thirty heavy braces were bolted to the pile bents. The guard railings were repaired and the approaches properly graded. Cost, $296.78.

Pellatt Road Bridge, Darlington Bay.—This bridge over the Winnipeg River below Norman Dam is 530 feet long and was constructed in 1910. The cover of 3-inch plank was entirely renewed and five of the trusses were repaired, all defective members being replaced.

Richan Road Bridge, Lot 5, Concession 1, Britton.—A timber bridge with a clear span of 20 feet. Crib abutments of 8-inch flatted pine, well drift-bolted, cribs filled with stone. Cover flatted pine. Approaches well graded. Cost, $132.

Wabigoon Bridge, Concession 4, Wabigoon.—Located over a creek on line of Lots 2 and 3, Concession 4. A timber pile trestle 80 feet long. Six bents of piles of four piles each, well braced. Caps 10 by 12; stringers, 10-inch flatted timber. Floor, 3-inch pine plank. Strong guard rail on each side of bridge and fill. Approaches well graded. Cost, $930.73.

THUNDER BAY DISTRICT.

Hymers Bridge.—A steel bridge over the slate river at Hymers. The concrete abutments went wrong and were in danger of a total collapse. The old abutments were blown out and new concrete supplied. Cost, $1,049.52. S. W. Butt was foreman in charge, doing this work after he completed the Mattawin River bridge.

Stanley Bridge.—This work consisted of repairing piers that had been damaged by the ice. Defective parts of the floor were also renewed. Cost, $484.93. John McNee was foreman in charge.

DISTRICT OF SAULT STE. MARIE.

Magpie Bridge.—This bridge is located over the Magpie River at Michipicoten River P.O. It is a long timber bridge. A new deck was provided and the old piers repaired. S. W. Butt was foreman in charge.

The piers of the Goulais River bridges at Fenwick and Van Horne were repaired where they had been damaged by the ice. $180.00 was expended on the work.

ALGOMA DISTRICT.

Ainsley Creek Bridge, South half Lot 7, Concession 5, Wells.—A timber bridge, 100 feet and 14 feet in height. Repairs consisted of an entire new deck, five lines of flatted stringers, with floor of 5-inch flatted cedar. New braces were placed on the pile bents. New guard rails supplied. Approaches graded. Cost, $682.34.

Cooper Bridge, Concession 2, Gladstone.—Repairs consisted of a new pile bent at north end. New stringers on north span. New pile bent at south end. All defective stringers renewed. New 3-inch plank floor and a new railing. Approaches raised and widened. Cost, $240.00.

Hogens Hill Bridge, Wells.—A timber bridge with a 12-foot span, built of cedar. The old bridge was shortened and the space filled with earth and stone. Cost, $172.65.

Leslie Bridge, Maguire Creek, Lots 1 and 2, Concession 5, Plummer.—A timber bridge, pile trestle, 57 feet long. The piles were sound but a new deck was required. The floor, caps and stringers are of flatted cedar. New guard rails were placed. Cost, $252.17.

Jas. Barkley, Road Inspector, had charge of all repair work in Algoma.

MANITOULIN DISTRICT.

Espanola Bridge, Spanish River.—The work on this bridge consisted of placing a new base under a trestle bent at the south end of bridge. An extensive fill of stone was placed at the turn at north-west corner of bridge to widen the road and ease a very dangerous turn. The guard rail on the north approach was repaired and a guard log placed at bottom of posts to prevent cars striking the railing. $539.86 was expended on the work.

Nairn Spanish Bridge.—A new floor of 3-inch pine plank was placed on this bridge. Cost, $242.70.

SUDBURY DISTRICT.

Hagar Bridge, Lots 12 and 13, Concession 4.—This bridge is 120 feet. A new floor of flatted jackpine was placed on this bridge. New wheel guards and new guard rails were also supplied. Cost, $254.90.

Hagar Siding Bridge.—This bridge was raised above high water level and the abutments that had been damaged by ice were repaired.

Kelly Lake Bridge.—A new timber bridge on the Kelly Lake Road in McKim was constructed. The bridge has a clear span of 20 feet.

Vermilion Bridge, Morgan.—A new floor of flatted cedar was supplied. A washout at the east end of bridge was filled with stone. Fifty-two loads of stone were used. A boom timber was placed at the west end of bridge to prevent logs and drift wood lodging against the abutment. A heavy jam of logs and drift was removed before the boom timbers were placed. $418.00 was expended on the work.

STURGEON FALLS DISTRICT.

Cosby-Mason Bridge, Lot 4.—A timber bridge with a clear span of 12 feet. Cedar crib abutments 6 feet high filled with stone. Five lines of flatted stringers 3-inch pine plank floor. Guard rails in place. Approaches graded. Cost, $239.38. A. L. McDonald was foreman in charge.

Courchene Bridge, Cosby Rutter Road.—Work consisted of placing a new cover of 6-inch flatted cedar over a length of 308 feet of the bridge. Cost, $519.25.

Ratter-Dunnet Boundary Bridge, Lot 3.—A timber bridge on pile abutments, 18-foot span. Five lines of flatted stringers, 3-inch plank floor. Approaches well graded. Cost, $270.56. Nathan Swain was foreman in charge.

Smoky Falls Bridge.—A log jam at this bridge forced the current against the west bank and the approach to the steel spans was washed out. This approach was rebuilt.

TEMISKAMING DISTRICT.

Crocodile Creek Bridge.—Located on Dack Eventurel Townline, Concession 6. Four new posts were placed and a new floor of 3-inch plank, 16 feet long, placed on the bridge. Length, 89 feet. A new railing was also supplied. Cost, $108.22. W. E. Kerr was foreman in charge.

Elk Lake Bridge.—Located over the Montreal River at Elk Lake. A new 3-inch plank floor was placed on this bridge. The railing was repaired and some of the piles, twelve in all, were repaired by splicing and bolting. The plank was purchased in 1921. Present expenditure, $271.69. W. E. Kerr was foreman in charge.

Gully Bridge, Lots 10 and 11, Concession 3, Henwood.—This bridge is 60 feet long. Five new piles were driven. Defective stringers removed and a new floor of 3-inch pine plank and new guard rails supplied. Cost, $127.00.

Milberta Bridge.—Located over Hudson Creek. A bad curve in the creek is cutting away the approach on the west end. To stop the erosion, a stone wall 150 feet long was constructed, extending westerly from the west pier. This wall is from 3 to 4 feet high, 4 feet wide at bottom and 2½ feet wide at the top. The space behind the rock wall was filled with stone. The creek bed was cleared of stone to give the water a straighter course. Cost, $127.

Second Concession Bridge, Brethour.—A timber bridge 112 feet long with a centre span of 32 feet, supported by a king truss. The truss is supported on double pile piers. The balance of structure is a pile trestle with 16-foot openings. Stringers, five lines of 10-inch flatted tamarac, 3-inch plank floor, guard rails in place. The bridge was raised 4 feet higher than the old structure. The hills at both sides were cut down to ease the grades and about 200 cubic yards of earth were used in filling the approaches. W. E. Kerr was foreman in charge. Cost, $782.36.

Wabis Bridge, Concession 4, Dymond.—The timber bridge at this place was carried away by the ice. The new bridge consists of an 80-foot steel span with timber approaches 32 feet long at each end. The steel span is supported on pile piers enclosed in timber cribs up to high water level. The approaches are pile trestles, two spans at each end. The new floor is raised well above any possible high water. The steel span is supplied with six lines of steel joist. The floor throughout is of 3-inch pine plank. The approaches are properly graded. D. H. McIntosh was foreman in charge.

Wright Creek Bridge at Judge.—A new steel bridge was erected over Wright's Creek, where it enters the White River at Judge. The old timber structure was replaced with an 80-foot steel span on pile abutments. The roadway is 14 feet clear. Six lines of steel stringers support a 3-inch pine plank floor. The steel span was supplied by the Standard Steel Construction Company, at a contract price of $1,830.00. C. R. Dolmage was foreman in charge. Total cost, $4,307.34.

Nipissing District.

Mackey Creek Bridge, Head.—Located on the Mattawa-Pembroke Road in the Township of Head. A timber bridge with a clear span of 27 feet. Crib abutments 9 feet high, floor and stringers flatted timber. Cedar timber used throughout. Approaches well graded and a strong guard rail on each side of bridge and fill. Cost, $586.76.

Parry Sound District.

Ahmic Harbour Bridge.—The old bridge was over a small bay. The bridge was removed and the space filled with stone and covered with gravel. Cost, $282.56.

King Lake Bridge, Machar.—Located at Lot 23, Concession 11. This bridge has a clear span of 19 feet. Stone abutments. Floor and stringers flatted timber. Approaches filled with stone. Strong guard rail on each side of bridge and fill. Cost, $125.00.

MUSKOKA DISTRICT.

Williamsport Bridge.—Located over the Big East River at Lot 30, Concession 6, Chaffey. The piers and abutments of this bridge are of rubble masonry, resting on a boulder bottom. During the spring flood of 1922 the east side of the north abutment was undermined by the washout of a sand pocket, and the east wing wall and east end of the abutment dropped 18 inches. The wing and the abutment were underpinned with concrete. A new wall was built inside the old wing and abutment. The top of the old wall was removed and a new top covering both old and new walls was carried up to the bridge seat. The steel was raised to the original level. The abutment is now secure. Cost, $322.00.

HALIBURTON DISTRICT.

Lambs Bridge, Cardiff.—Located at Lot 21, Concession 15, Cardiff. A bridge with a 20-foot span. The ravine was filled with stone for a length of 34 feet. The outside stone was set in cement mortar. New stringers were supplied and a new cover. Guard rails placed at each side of bridge and fill The stone fill was top dressed with gravel. Cost, $300.17.

McGillivray Bridge.—Located at Lot 23, Concession 8, Cardiff. Total length of bridge and approaches is 208 feet. The bridge is 104 feet long. The whole structure was overhauled, all defective timbers were replaced. The approaches were properly graded and the bridge left in serviceable condition. Cost, $138.86.

Moores Falls Bridge.—Located over Burnt River. The bridge was thoroughly overhauled and put in good condition for traffic. The piers were repaired, new stringers and floor supplied. A new railing was also supplied and the approaches graded. Cost, $309.89.

RENFREW BRIDGES.

Beaudry Lake Creek Bridge, Raglan.—Located over a creek at Lot 27, Concession 14. A timber bridge with a 10-foot span. Timber crib piers on burned mud sills. A long timber bridge was removed and the space filled with earth and rock.

Beckers Bridge.—Located over Bay Creek at Lot 9, Concession "A," Hagarty. A timber bridge with a clear span of 16 feet. Timber crib piers. Floor and stringers flatted cedar. Cost, $301.15.

Brennan Creek Bridge, Brudenell.—Located over the creek at the entrance to Lake Gorman. A timber bridge with a clear span of 14 feet. Timber cribs 6 feet high, stone filled. Floor and stringers flatted cedar. The west approach 66 feet long is filled with stone to a height from 1 to 6 feet. The east approach 80 feet long is also filled with stone and both approaches are top dressed with gravel. Cost, $112.00.

Cole Creek Bridge, Hagarty.—Located at Lot 13, Concession 4. This bridge has a clear span of 16 feet. Stone abutments 5 feet high. Floor and stringers are of flatted cedar. The approaches on each side, about 20 rods in length, were raised with a stone fill and top dressed with gravel. A strong guard rail was placed at each side of bridge and fill. Cost, $307.00.

Gruehls Bridge, South Algona.—Located at Lot 14, Concession 5. A timber bridge with a clear span of 16 feet. Cedar crib pier 8 feet by 16 feet, 5 feet high. Floor and stringers flatted cedar. The approaches, 15 rods long on each side, were raised with stone and top dressed with gravel.

Pauls Bridge, Lyndoch.—Located at Lot 1, Concession 14. A timber bridge with a clear span of 12 feet. Cedar crib abutments 8 feet by 16 feet, 5 feet high, stone filled. Floor and stringers flatted cedar. Approaches from 1 to 5 feet high filled with stone and top dressed with gravel. Cost, $207.45.

White Lake Creek Bridge.—Located at Lot 28, Concession 13, Raglan. A timber bridge with a clear span of 20 feet. Cedar cribs 8 feet by 16 feet, 5 feet high, stone filled. Floor and stringers flatted cedar. Approaches well graded and gravelled. Guard rails at each side of bridge and fill. J. H. Zummach, Road Inspector for the district, was in charge of all the repair work in Renfrew.

DRAINAGE WORKS CONSTRUCTED BY THE DEPARTMENT OF PUBLIC WORKS.

RAINY RIVER DISTRICT.

Barwick Village Drain.—This drain was constructed to drain a bog north of the Town of Barwick. It is about 50 rods long and runs south on the main road to a ravine emptying into Rainy River.

Blue Drain, Section 1.—This drain runs south 2,693 feet from the road north of Sections 1 and 2 on the road between 1 and 2 to a ravine, thence east across 1 in a water course emptying into a creek. This year 1,000 feet of the creek was cleaned out and 2,000 feet of drain constructed. The drain dug is 3 feet deep and 6 feet wide.

Carpenter Drain, Concession 4.—Designed to drain the Carpenter-Dobie Townline. It starts at the Townline near the north end of Concession 4 and runs south-east across Lots 12 and 11, a distance of 252 rods to a creek. The drain has an average depth of 2½ feet and a width of 6 feet.

Carpenter Drain, Concession 3.—Also designed to drain a section of the Carpenter-Dobie Townline. It starts at the Townline near the north end of the 3rd Concession and runs east across Lot 12, 113 rods to a creek. Average depth, 2 feet; width, 6 feet.

Crozier Drain, Section 15.—This drain is designed to drain the road west of Section 15. This season 100 rods of creek bottom in the south-east part of Section 15 was cleared and 60 rods of drain constructed. The drain is to be extended to the road next season.

Devlin Drain, Section 33.—In 1921 a drain was constructed east from the road west of Section 33. This year the drain was extended east 65 rods to a proper outlet.

Dobie Drain, Concession 6.—Designed to drain a section of road north of Lots 6 and 7, Concession 6. It runs south on the 6th and 7th side road 3,120 feet. Two tap drains were opened from the side road to the Sturgeon River. Average depth, 2 feet; width, 5 feet.

Morley Drain, Section 30.—Designed to drain a very wet section of the Morley Dilke Townline. The drain starts at the Townline and runs north along the road between Sections 29 and 30 of Morley, a distance of 3,350 feet to Beaver Creek. The drain has a depth of 3 feet; bottom, 3 feet, and top width of 5 feet.

Nelles Drain, Section 16.—Designed to drain the road between Sections 15 and 16. The drain runs east from this road in the south part of Section 16, a distance of 2,100 feet, and empties into a swamp. Average depth, 2½ feet; width, 5 feet.

Shenston Drain, Sections 11 and 12.—Some time ago a tap drain was constructed to drain the road north of Section 12. This season this drain was continued west across Sections 12 and 11, a distance of 200 rods to the Sturgeon River. Average depth, 2½ feet; width, 6 feet.

Woodyatt Drain, Lots 38, 39 and 40.—Designed to drain the road west of Section 40. It taps this road near the north part of the River Range and runs east across Lots 40, 39 and 38 and empties into a swamp. Length, 159 rods; depth, 2 to 3 feet; width, 6 feet. The drainage work in Rainy River was done under the direction of Frank Clement, Road Inspector.

ALGOMA DISTRICT DRAINAGE.

Galbraith Drain, Concession 3.—A bad section of road south of Lots 5 and 6 in the 3rd Concession was drained by the construction of ditches on each side of the road over a distance of 136 rods. The ditches are 18 inches deep and 5 feet wide. The ditches empty into a creek at the west side of Lot 6.

Hallam Drain, Concession 3.—A creek across Lots 8, 9 and 10 was cleared of logs and brush to affect the drainage of a section of the Webbwood Road and a section of the 4th Concession Road across these lots.

Hilton Drain.—Kaskawan Creek in Hilton is badly blocked with beaver dams and logs and brush. All the roads in the vicinity of the creek are affected by high water. Two of the worst sections, one near Hilton Lake, 220 rods long, and the other near the "U" Line, 120 rods long, were cleared of logs and brush and the beaver dams were cut and good channels provided.

Johnston Drain, Concession 6.—A drain 160 rods long was constructed on the S. ½ of Lot 3 and the N. ½ of Lot 4, Concession 6, to drain roads in the vicinity. The ditch is 2 feet deep and 6 feet wide.

Laird Drain, Section 30.—A bad section of road north of Section 30 in Laird was drained by a tap ditch running south from the road to a creek, a distance of 110 rods. The ditch is 2½ feet deep and 6 feet wide.

Plummer Drain, Concession 2.—A very bad section of the road west of Lot 10, Concession 2, Plummer, was drained by ditches on each side of the road over a length of 110 rods. The ditches are 18 inches deep and 6 feet wide.

Rose Drainage, Section 17.—A very wet section of the road across Section 17 was drained by clearing out a creek across Sections 17, 18 and 7, over a length of 231 rods.

Thompson Drain, Section 22.—A wet section of road between Sections 22 and 23 was drained by constructing drains on each side of the road over a length of 87 rods.

Tarbutt Drainage.—A section of the road between Lots 6 and 7, north of the Trunk Road, was drained by the construction of a tap ditch across the S. ½ of Lot 7, over a length of 120 rods. The ditch is 2½ feet deep and 6 feet wide.

Victoria Drainage, Section 15.—A section of road west of Section 15 in Victoria was drained by the construction of a tap ditch 110 rods long in a north-easterly course through Section 15 to a creek.

Manitoulin Drainage.

Allan Drain, Concession 4.—A tap ditch opened south from the 4th Concession on Lot 10, a distance of 20 rods. This includes a rock cut 165 feet long.

Assiginack Drain, Concession 1.—A tap drain 90 rods long on Lot 22, Concession 1, to drain the road between Concessions 1 and 2. The drain is 16 feet wide and 2 feet deep.

Assiginack Drain, Concession 5.—A tap drain across Lot 30, Concession 5, to drain a section of the Clover Valley Road. The drain is 60 rods long, 3 feet deep and 8 feet in width.

Billings Drain, Concession 7.—A tap drain to drain a section of the road between Concessions 7 and 8. The drain runs south-west through Lots 22 and 23, a distance of 120 rods. Depth, 2 feet; width, from 6 to 8 feet.

Burpee Drain, Concession 6.—A tap drain 110 rods long to drain a section of the road between Concessions 6 and 7. The drain runs south through Lot 28. Depth, 2 feet; width, 5 feet.

Campbell Drain, Concession 15.—A tap drain to drain a section of the road between Concessions 14 and 15. The drain runs on the north side of the road, 60 rods across Lot 3; thence on south side of road across Lots 4 and 5, 100 rods; thence south-west on a water course on Lots 5 and 6, 80 rods to an outlet. The ditch is from 2 to 3 feet deep and from 4 to 6 feet in width.

Gordon Drain, Concession 11.—A tap ditch to drain a section of the road between Concessions 10 and 11. The drain runs east across Lot 12 in the 11th Concession, a distance of 90 rods. The ditch is 2 feet deep and 6 feet wide.

Mindemoya River Improvement.—The river was cleared of logs and brush from Mindemoya Lake to Lake Huron. A good channel was provided and drainage assured to roads in the vicinity of Lake Mindemoya. $383.75 was expended on the work.

J. E. Vanmeer, Road Inspector, was in charge of the drainage work in Manitoulin.

SUDBURY DISTRICT DRAINAGE.

The following ditches were opened up in the Sudbury District:

Balfour Township, Lot 8, Concession 1, 270 rods.
" " " 12, " 6, 141 "
" " " 1, " 4, 216 "
" " " 6, " 3, 149 "
Blezard " Lots 2 and 3, Concession 4, 275 rods.
" " Lot 12, Concession 4, 208 rods.
" " " 8, " 5, 276 "
" " Lots 9 and 10, Concession 5, 254 rods.
Broder " Lot 11, Concession 5, 155 rods.
" " " 5, " 6, 275 "
Capreol " Lots 4 and 5, Concession 3, 130 rods.
" " Lots 5 and 6, Concession 4, 66 rods.
Dryden " Lot 1, Concession 6, 115 rods.
" " " 12, " 6, 127 "
Garson " " 10, " 3, 192 "
Rayside " Lots 10 and 11, Concession 5, 343 rods.
" " Lots 10 and 11, Concession 6, 271 rods.
" " Lot 1, Concession 5, 193 rods.

The Sudbury drainage work was done under the direction of Basil Ethier, Road Inspector, for the district.

STURGEON FALLS DRAINAGE.

Casimir Drain, Concession 3.—An obstruction of the creek on Lot 9, Concession 3, Casimir, was removed on a channel 12 feet wide and 5 feet deep, provided over a length of 20 rods.

Crerar Drain, Concession 2.—A section of creek bed 200 rods long was cleared out on Lot 2, Concession 2, to drain a large swamp and the roads crossing it.

Hugel Drain, Concession 4.—A section of creek 45 rods long was opened up on Lot 2, Concession 4, Hugel, to allow the water to escape from a large swamp.

Martland Drain, Concession 2.—A ledge of rock 18 rods long was blasted from the bottom of Wolsley Creek on Lot 8, Concession 2, Martland, to relieve a section of road flooded by high water in the creek.

Macpherson Drains:

A tap drain 53 rods long was opened up on Lot 9, Concession 1, to drain the south townline.

A tap drain 112 rods long was opened up at Lot 3, Concession 1, to drain the 2nd Concession road in front of Lots 3 and 4.

A section of creek bed was improved on Lots 1 and 2, Concession 2, 20 rods of ditching was done and 130 rods of the creek bed cleared out to a width of 15 feet.

A rock ledge 80 feet long was blasted from a creek bed on Lot 10, Concession 5. The rock cut is 4 feet deep and 10 feet wide.

A section of creek bed 14 rods long was improved on Lot 6, Concession 4. A channel was opened through a bed of boulders and hardpan. The channel provided is 10 feet deep and 20 feet wide.

A section of creek bed was improved on Lot 7, Concession 6. A channel 4 feet deep and 10 feet wide was provided.

A rock ledge 180 feet long was blasted from a creek bed on Lot 12, Concession 6. The new channel is 3 feet deep and 12 feet wide.

Nathan Swain, foreman of Public Works, was in charge of the drainage work in this district.

TEMISKAMING DRAINAGE.

Sutton Creek Drain.—Four hundred and two rods of Sutton Creek were opened up; 40 rods in widening last year's work; 182 rods ditched 2½ feet deep and 6 feet wide and 180 rods cleared out ready for ditching.

Casey Drain, Lot 11, Concession 3.—One hundred rods of ditch was opened up on Lot 11, Concession 3, and 100 rods of right of way cleared out.

Casey Brethour Drain, Lot 10.—The drain constructed last year was continued to a proper outlet. Forty-three rods were constructed 2½ feet deep and 6 feet wide.

NIPISSING DRAINAGE.

The following drains were opened up in the District of Nipissing, under the direction of P. Rochefort, Road Inspector:

Bonfield	Township,	Lot 30,	Concession	1,	40 rods.
"	"	Lots 13 and 14,	Concession	5,	170 rods.
"	"	" 5 " 6,	"	10,	60 "
"	"	" 16 " 17,	"	10,	95 "
"	"	Lot 12,	Concession	17,	5 rods, rock cut.
Cameron	"	" 6,	"	25,	95 "
Chisholm	"	" 2	"	9,	75 "
"	"	" 3,	"	9,	100 "
"	"	" 14,	"	10,	45 "
"	"	" 11,	"	13,	35 "
"	"	" 20,	"	13,	35 "
"	"	" 6,	"	17,	50 "
Ferris	"	" 19,	"	1,	45 "
"	"	" 5,	"	6,	55 "
"	"	" 6,	"	6,	22 "
"	"	" 9,	"	6,	55 "
"	"	" 17,	"	6,	60 "
"	"	" 16,	"	6,	45 "
"	"	" 9,	"	7,	44 "
"	"	" 14,	"	7,	40 "
"	"	" 20,	"	7,	62 "
"	"	" 15,	"	8,	67 "
"	"	" 12,	"	9,	26 "
"	"	" 21,	"	9,	80 "
"	"	" 24,	"	9,	40 "
"	"	" 22,	"	10,	27 "

Ferris	Township,	Lot 10,	"	14,	24 rods.
"	"	" 11,	"	15,	26 "
"	"	" 13,	"	15,	80 "
Papineau	"	" 26,	"	9,	50 "
"	"	" 6,	"	10,	80 "
"	"	" 14,	"	10,	60 "
"	"	" 19,	"	12,	40 "
"	"	" 11,	"	13,	75 "
Widdifield	"	" 21,	"	A,	45 "
"	"	" 22,	"	A,	40 "
"	"	" 21,	"	B,	97 "
"	"	" 20,	"	C,	47 "
"	"	" 14,	"	1,	90 "
"	"	" 17,	"	1,	80 "
"	"	Lots 21 and 22, Concession 1, 200 rods.			

NORTH ONTARIO DRAINAGE.

Fountain Drain, Mara.—This drain commenced at Lot 30 in the 10th Concession and extended to the County-Provincial Highway and thence to the Grand Trunk Railway.

Rama Mara Drain.—This work commenced at Lot 26, Mara and was extended along the old drain to Lot 23, Concession 1, Rama, termination at the 2nd Concession of Rama.

Campbell McMillan Drain.—This work commenced on the Indian Reserve and extended up stream to the line between 16 and 17. The culvert across the railway track has not been lowered.

Neil Hayes, Road Inspector, was in charge of the drainage work in North Ontario.

NORTH HASTINGS DRAINAGE

Oak Flat Drainage, Hinchinbrooke.—This work was started in 1921. This season a rock cut, 180 feet long, from 12 to 28 inches deep and 5 feet wide, was blasted from the creek bed. The creek bed was also improved over a length of 762 rods.

RENFREW DISTRICT DRAINAGE.

McMaster Creek, Lyndoch.—This work is located at Lot 30, Concession 13, Lyndoch. Three hundred rods of the creek bottom was deepened, widened and straightened and 300 rods were cleared of logs and brush.

Cole Creek Drain, Hagarty.—A drain 120 rods long was opened up at Lot 16, Concession 2, Hagarty, to relieve the road at this point from flooding.

DRAINAGE AID.

BOAT LAKE AND RANKIN RIVER DRAIN, AMABEL.

This work was done by the Township of Amabel under the provision of the Municipal Drainage Act, under a report made by A. McDowall, Civil Engineer.

The work consisted of rock excavation on bars in the bottom of the Rankin

River, between Boat Lake and the Sauble River. The new channel provided is 857 feet long, from 2 to 3 feet in depth and 20 feet wide; 1,380 cubic yards of rock were removed. The total expenditure was $7,590.

When the water in the river was lowered the channel was found to be badly obstructed with logs and trees. These must be removed to afford the desired relief through the lowering of the level of Boat Lake. The drain was examined by J. W. Hackner, an engineer of this department, who reports the work done in a workmanlike manner.

On report and recommendation from this department the grant of $2,500.00 voted for this work was paid to the Township of Amabel.

BURK DRAINAGE WORKS, HARWICH.

This work comprises a pumping scheme in the marsh lands in the southwesterly part of the Township of Harwich at the lake shore. The work was done under the authority of the Burk Drainage Work By-law, passed in the year 1914, and under the report of Geo. A. McCubbin, bearing date March 25th, 1914. The work as carried out comprises the construction of three external drains for the purpose of carrying the water from the higher lands to the outlet without injury to the low lands, and also forming embankments for the protection of the low lands. These external drains are known as the 3rd Concession Drain, the Burk Drain and Beaver Creek Drain. Three internal drains were built and embankments constructed for conveying water to the pumping station. The internal drains are known as the Pere Marquette Drain, the Lakeshore Drain and the Pike Creek Drain. The 3rd Concession Drain has its outlet into the Rondeau at the west limit of the road allowance between Concessions 2 and 3, and thence extends up stream a distance of 7,400 feet. The Pere Marquette Drain, which follows the course of the railway, protects the marsh from the lake waters to the east. The Lakeshore Drain embankment protects the marsh from the waters to the south, and the 3rd Concession Drain protects the marsh from the waters to the north. These internal drains are about 6 feet in depth and about 30 feet in width.

The pumping plant which is located in the north-easterly corner of the drainage area comprises two Parke Centrifugal pumps driven by steam power. These pumps raise the water to a height of about 8 feet in the lowest level of the drain. The estimated cost of the work provided for in the engineer's report was $42,531.00, but the actual cost exceeded this by a considerable amount. Considerable difficulties had been encountered since the work was originally constructed and extensive repairs are now under way, but nearing completion.

The area of internal or marsh lands was 2,021 acres. The assessment on these lands was from $10 to $25 per acre, and the higher lands in the outside area are assessed for outlet through the external drain at $1.00 per acre. The lands are being used largely for garden produce, and are producing beyond the expectations of the owners. I examined the drainage work in June, 1922, and found the work fully completed.

On report and recommendation from this department the grant of $8,500.00, voted for this work at the last Session of the Legislature, was paid to the Township of Harwich.

DRAIN NO. 36, WEST LUTHER.

This drain was constructed under the authority of By-law No. 259, of West Luther, and under the report of C. D. Bowman, O.L.S. The drain commences at the 12th and 13th side roads in the 5th Concession and runs north and west ending at the west boundary of the Township in Concession 7. The drain discharges into a creek where a sufficient outlet is reached. The total length of drain is 33,847 feet, a little over six miles. The drainage area comprises some 10,800 acres in the Township of West Luther.

I examined the drain during the month of August and found the work well completed. The estimated cost of the work was $9,565.28, but the final cost, owing to the increased cost of labour, was $15,142.45.

On report and recommendation the vote of $3,000.00, voted at the last Session of the Legislature, was paid to the Township of West Luther.

Hanna Drain and Extension, Elma.

This drain was constructed under the authority of By-law No. 716, of the Township of Elma, and under the report of John Roger, C.E., of Mitchell. The drain commences at the road between Lots 30 and 31 in the 6th Concession of Elma and runs south-west through the 6th, 7th, 8th, 9th and 10th Concessions to Lot No. 13; thence north-west through the same concessions into the North Branch of the Maitland River on Lot No. 4, in the 6th Concession. The total length of the drain is 55,000 feet, about 10½ miles. The drain has a bottom width of 1½ feet at the head and widens out to 40 feet at the outlet. The depth runs from 4 to 8 feet 8 inches. The estimated cost of the work was $19,642.00, but the contract price for the drainage channel alone was $27,464.62, being an advance of over 50% on the estimated cost. The watershed is long and narrow and the cost of the individual owners is particularly heavy. Under the original assessments some of the lots were assessed as high as $7.80 per acre and the advance in cost will bring this cost to nearly $12.00 per acre.

I examined the drain during the month of August and found the work well completed.

On report and recommendation from this department the grant of $5,400.00, voted for this work, was paid to the Township of Elma.

Kinburn Swamp Drain, Hullett.

This drainage work was constructed under the authority of By-law No. 3, of 1917, of the Township of Hullett and under the report and plans of John Roger, O.L.S., and C.E.

The work consisted of improvements on the South Branch of the Maitland River, commencing at the rear of Lot 7, in the 3rd Concession, and extending down stream to Lot 18 in the 9th Concession, a distance of about 7¾ miles. The old channel was deepened from 2 to 4 feet, to a bottom width of 25 feet. A number of short bends were cut to straighten the channel. The work was done by a floating dredge and has been carried out in an exceptionally satisfactory manner. About ¾ of a mile of light work remains to be excavated; with average weather conditions the work should be fully completed before winter sets in.

The total estimated cost of this work was $25,634.50, which was assessed as follows:

On Lands and Roads in	Hullett	$13,734 30
" " "	McKillop	10,769 30
" " "	Logan	800 55
" " "	Grey	330 35

The expenditure on the drain to date has been $22,434.18. The final cost will be about $24,000.00. The drain was examined on October 26th, 1922, by J. S. Leitch, Assistant Engineer, of this department.

On report and recommendation from this department the grant of $4,500.00, voted for this work, was paid to the Township of Hullett.

Knittle-Murphy Drain, Dawn.

This drain was constructed under the authority of By-law No. 24, in 1920, and under the report of Geo. A. McCubbin, O.L.S.

The drain commences near the east side of Concession 9, on the line between Lots 31 and 32 and runs west and north, 22,400 feet to the centre of Concession 5, where a sufficient outlet is reached. To provide proper drainage this drain required to be sunk to an unusual depth, making the work of maintenance very expensive. It was decided to place covered tile in the deep part of the drain, discharging into an open drain where the depth decreased to reasonable size. The tile provided was as follows: 400 feet of 6-inch, 400 feet of 7-inch, 800 feet of 8-inch, 2,300 feet of 10-inch, 3,300 feet of 12-inch, 3,300 feet of 14-inch, 7,900 feet of 16-inch. The open drain, which varies from 3 to 8 feet in depth, has a bottom width of 4 feet, and extends over a length of 6,000 feet.

The estimated cost of the work was $8,972.00, but owing to increased labour cost the final cost of the work was $11,800, which is assessed against lands and roads in Dawn. The individual assessments run as high as $11.50 per acre.

I examined the drain during the present month and found the drain completed in a workmanlike manner.

On report and recommendation from this department the grant of $2,300.00, voted for this work, was paid to the Township of Dawn.

McDougall Drain Improvement, Lochiel.

This drain was constructed under the provision of By-law No. 223, of the Township of Lochiel, and under the report of F. Stidwell, Civil Engineer.

The drain has two main branches. The south branch, known as the main drain, commences at the line between Lots 21 and 22 and runs east in the south part of the 1st Concession to Lot No. 12, where it joins the north branch. Thence it runs south to the Township of Lancaster. It extends south-west into Lancaster about half a mile. Total length, 17,300 feet. The north branch commences at the line between Lots 19 and 20 and runs east through the northerly part of concession 1 to Lot 16. Thence south-east to Lot 12, where it joins the main drain. The length of this branch is 10,664 feet. Each of the branches has a bottom width of 3 feet with depth from 4 to 6 feet. The main outlet has a bottom width of 5 feet, depth from 4 to 6 feet, side slopes are 1 to 1 throughout.

I examined the drain in August of this year and found the work well completed.

On report and recommendation the vote of $2,000.00, voted at the last Session of the Legislature, was paid to the Township of Lochiel.

Morrow Drain, Ekfrid.

This drain was constructed by the Township of Ekfrid, under the report of Geo. A. McCubbin. C.E., bearing date June 4th, 1918. The Morrow Drain proper commences at the road between Concessions 1 and 2, at Lot 8, in the Township of Ekfrid, and extends north-westerly through Ekfrid in a natural watercourse, the work ending near the road between Lots 12 and 13, in the 13th Concession of Metcalf. At the upper end of the work a branch drain, known as the Black Branch, commences near the road between the 1st and 2nd Concession on the line between Lots 3 and 4 and extends north-westerly 1,440 feet, joining the Morrow Drain at Lot 8 in the 4th Concession of Ekfrid. The length of the Morrow Drain is 31,000 feet.

The estimated cost of the work complete was $12,131.00, but owing to the advance in wages the final cost largely exceeded this amount. The drainage area comprises 4,929 acres in the Township of Ekfrid and 1,568 acres in the Township of Metcalf. The assessment on lots and roads in the Township of Ekfrid was $11,235, and the assessment on lots and roads in the Township of Metcalf was $895.00.

I examined the drain in the fall of 1921 and found the work completed in a workmanlike manner.

On report and recommendation from this department the grant of $3,000.00, voted for this work, was paid to the treasurer of the Township of Ekfrid.

MUD CREEK DRAIN, NORTH GOWER.

This drain was fully reported on last year when a grant of $2,000.00 was paid to North Gower. On application of the township for further assistance, a further grant of $2,000.00 was voted for this work at the last Session of the Legislature. The estimated cost of the drain was $23,784.51.

On report and recommendation from this department the grant of $2,000, voted for this work, was paid to the Township of North Gower.

NORTH MAITLAND ENLARGEMENT DRAIN, ELMA.

This drain was constructed under the authority of By-law No. 701, of the Township of Elma, and under the report of John Roger, C.E. A number of large drains empty into the Maitland River at the west side of the Township of Elma and some of the owners, whose lots were affected by the flood waters of the river, secured an order from court to compel the municipality to carry the water to a proper outlet. The work begins on Lot 3 at the road between the 4th and 5th Concessions of Elma. The work extends down stream, passing into the Township of Grey in the 6th Concession of the latter township, and extends down stream to Lot No. 22 in the 8th Concession of Grey. The total distance is 36,000 feet or nearly 7 miles. The drain at the head has a bottom width of 10 feet which gradually widens out to 30 feet at the outlet. The work consisted largely of removing hardpan bars and cutting off the short bends in the river to allow a better passage for the water. The estimated cost of the work was $31,499.25, but the contract price was $42,820.00. The cost of the drain is assessed as follows:

On Lots and Roads in the Township of	Grey	$2,853 45
" " " "	Elma	24,121 40
" " " "	Wallace	1,646 85
" " " "	Maryboro	529 85
" " " "	Ellice	544 45
" " " "	Mornington	1,303 50
" " " "	Logan	178 90
On Lots and Roads in the Village of	Trowbridge	191 30
" " " "	Atwood	57 45
" " " "	Monkton	2 40

I examined the drain during the present month and found the work done in a very workmanlike manner. At the last Session of the Legislature a grant of $8,500 was voted in favour of the North Maitland Enlargement Drain, Elma.

On report and recommendation from this department the grant of $8,500 was paid to the Township of Elma.

PAYNE RIVER DRAIN, ROXBOROUGH.

This drain was constructed under the provision of By-law No. 13, in 1918, of the Township of Roxborough and under the report of F. M. Eagleson, Civil Engineer.

The drain commences at the centre of Lot No. 9 in the northerly part of the 4th Concession and runs west through a dense swamp to the centre of Lot 21. Thence it runs south and west through the 4th and 3rd Concessions, crossing the west boundary of the township at the centre of the 3rd Concession. The work of improvement ends at the boundary. The length of the drain improved is 42,260 feet or about 8½ miles. The drain provides for the reclamation of a large area of swamp land and also makes possible the drainage of a number of township roads.

I examined the drain in August of this year and found the work well completed.

The estimated cost of the work was $15,122.00, which was all assessed against lands and roads in the Township of Roxborough.

On report and recommendation from this Department the grant of $3,100, voted for this work, was paid to the Township of Roxborough.

PUCE RIVER DRAIN, MAIDSTONE.

This drain was constructed by the Township of Maidstone, under the report of Jas. S. Laird, O.L.S., bearing date April 15th, 1920. This work commences at the road in rear of the lots, south of the middle road in the Township of Maidstone, and extends northerly along a natural watercourse locally known as the River Puce, a distance of 11,900 feet to the road between Concessions 4 and 5, at Lot No. 15.

The drain has a depth of between 6 and 7 feet at the head and about 4 feet at the lower end, where it discharges in the valley of the river. The bottom width at the head of the drain is 19 feet, which gradually widens out to 23 feet on the outlet.

The drain provides an outlet for a drainage area of about 10,000 acres in the Township of Gosfield, as well as a large area in the Township of Maidstone.

The total estimated cost of the Drainage scheme is $16,692.20, which was assessed as follows: Against lots and roads in Maidstone, $15,050.40; against lots and roads in the Town of Essex, $323,25; against lots and roads in the Township of Gosfield, $1,006.85. I examined the drain during the month of June, 1922, and found the work completed in a workmanlike manner.

On report and recommendation, the vote of $3,600.00, voted at the last session of the Legislature was paid to the Township of Maidstone.

RIVAIT DRAIN, TILBURY NORTH.

This drain was constructed under the authority of By-law No. 458 and under the plans and report of John Newman, C.E., bearing date, September 12th, 1919. This drainage work is a small pumping scheme located west of

Big Creek in the 2nd Concession of Tilbury North. The lands affected by this scheme were subject to overflow from Big Creek, and were too low to admit of natural drainage into Lake St. Clair. Through the construction of the Big Creek Drain, a solid embankment was thrown up on the west side of the creek, which prevented all further flooding of these lands from the creek. The road grade on the road between Concessions 2 and 3, cuts off the water from the south and the road grade on the road between Concessions 1 and 2 protects the lands from flooding from the north. Under the present scheme, a large drain was constructed on the south side of the road between Concessions 1 and 2, from near Big Creek westerly a distance of 1,200 feet, thence south through Lot 17, a distance of one mile to the C.P.R. The pumping plant comprises a dash wheel, 22 feet in diameter, run by gasoline engine. This dash wheel is designed to raise the water from the depth of 6 feet. It discharges directly into Big Creek.

The total cost of the work was $11,272.18. The estimated cost of the work was $9,288, which was assessed, $8,480 against lands and $808 against roads of the Municipality. I examined the drainage work in June, 1922, and found the work completed in a workmanlike manner.

On report and recommendation, the vote of $2,200, voted at the last session of the Legislature was paid to the Township of Tilbury North.

SHEARER DRAIN, ELMA.

This drain was constructed under the authority of By-law No. 725, of the Township of Elma, and under the report of John Roger, C.E. The main drain commences on Lot No. 46 at the centre line of Concession 1, in Elma and runs south and west through the 1st, 2nd and 3rd Concessions, discharging into the branch drain on Lot No. 16 in the south part of the 3rd Concession. The total length of the drain is 21,833 feet, or about four miles. The bottom width of the drain varies from 2 feet at the head, to 3 feet at the outlet. The depth varies from 4 to 6 feet. The estimated cost of the scheme was $17,215.57, which was assessed against a drainage area of 1,741 acres, but the cost of the trunk channel exclusive of branch and lateral drains was $10,571.10.

I examined the drain during the present month and found the work completed in a workmanlike manner.

On report and recommendation from this Department, the grant of $2,100, voted for this work, was paid to the Township of Elma.

THIRD AND FOURTH SIDE ROAD—8TH AND 9TH CONCESSION DRAIN, BROOKE.

This drain was constructed under the provisions of By-law No. 5, 1918, and under the report of Geo. A. McCubbin, O.L.S., of Chatham.

This drain was originally known as Government Drain No. 1, and found its outlet south and east into the Sydenham River. Later on the outlet was changed to the west from the 3rd and 4th Side Road, along the centre line of the 5th Concession.

The present work comprises the improvement of the drain on the north side of road, between Concessions 8 and 9, from the side road between Lots 12 and 13, west to the 3rd and 4th Side Road, thence south on the east side of 3rd and 4th Side Road to the centre line of the 5th Concession. Thence west along this centre line to the west side of the townline between Brooke and Enniskillen. It has a total length of 39,760 feet, nearly eight miles. The drain varies in depth from 5 to 9 feet, but will average about 6 feet below the ground level. The bottom width varies from 3 feet at the head to 10 feet at the outlet.

The original estimated cost of the drain was $15,804. Several unsuccessful attempts were made to let contracts for the work, and it was finally decided to have the work carried out by day labour under an experienced foreman. The labour cost ran enormously high and the final cost of the completed work amounted to $35,134.86, being about 222% of the estimated cost. The original assessment ran as high as $3.75 per acre, but the final cost will run to $8.32 per acre.

I examined the drain during the present month, and found the work exceptionally well done.

On report and recommendation, the vote of $7,000, voted at the last session of the Legislature was paid to the Township of Brooke.

TREMBLAY CREEK DRAIN, TILBURY NORTH.

This drain was constructed under the authority of By-law No. 411, and under the report of John Newman, C.E., bearing date June 20th, 1918. This drainage work comprises the repair of the Tremblay Creek and drain in the Township of Tilbury North, extending from the townline between Tilbury North and Tilbury East, westerly and northerly through the Township of Tilbury North and discharging into the Big Creek Drain in the 1st Concession of Tilbury North. The total length of the drain is 35,300 feet, or about 6¾ miles. The drain at the head has a bottom width of 12 feet, with a general depth of 5 to 7 feet. The bottom gradually widens to 25 feet at the outlet, and the depth increasing to nearly 12 feet. The lower end of the drain, that is north of the Michigan Central Railway, was constructed with a floating dredge, and the southerly part of it was done with teams and scrapers. The estimated cost of the work, according to the engineer's report, was $19,573, which was assessed as follows: On lands and roads, Tilbury East, $8,062.50; on lands and roads in the Town of Tilbury, $477.75; on lands and roads in Tilbury North, $10,332.75; against C.P.R., $500.00; against Michigan Central, $200.00. I examined the drain in June, 1922, and found the work completed in a workmanlike manner. On report and recommendation the vote of $3,900 was paid to the Township of Tilbury North.

Respectfully submitting the above,

I have the honour to be, Sir,

Your obedient servant,

A. J. HAFFORD,
Engineer Public Works.

October 31st, 1922.

STATEMENTS
OF THE
ACCOUNTANT
OF
PUBLIC WORKS

DEPARTMENT OF PUBLIC WORKS, ONTARIO,
TORONTO, January 25th, 1923.

HONOURABLE F. C. BIGGS,
Minister of Public Works and Highways.

SIR,—I have the honour to submit detailed statements of Civil Government and Maintenance and Repairs Government Buildings; also Capital Expenditure on Provincial Public Buildings and Public Works during the Fiscal Year which ended on the 31st of October, 1922.

I have the honour to be, Sir,

Your obedient servant,

CLOTILDE KENTLETON,
Accountant Public Works.

STATEMENT OF EXPENDITURE, CIVIL GOVERNMENT, MAINTENANCE AND REPAIRS GOVERNMENT BUILDINGS, FOR YEAR ENDING OCTOBER 31st, 1922.

Name of Work.	Amount	Amount
	$ c.	$ c.
Civil Government:		
Salaries	54,372 30	
Contingencies	17,023 58	
Fees, various officials, etc	81 01	
Travelling expenses	4,980 96	
		76,457 85
Maintenance and Repairs, Government House:		
Salaries	4,300 00	
Assistant gardeners, firemen, etc., (including repairs to grounds)	12,600 27	
Water, fuel, light and power	7,534 74	
Repairs and contingencies	6,430 20	
Furniture and furnishings	1,403 16	
Uniforms for messengers, etc	240 00	
Telephone service	628 00	
		33,136 37
Maintenance and Repairs, Parliament Buildings:		
Salaries	71,376 63	
Water and fuel	32,908 00	
Electric power, light, current and gas	12,076 62	
Supplies, tools, etc., for engine room and general repairs	1,516 52	
Caretakers of grounds, and maintenance of grounds, drives and walks	6,942 66	
Repairs and cleaning of buildings	124,122 22	
Vault fittings and shelving	17,605 70	
Furniture and furnishings	43,455 88	
Interior alterations	2,676 89	
Flowers, shrubs, plants, etc	919 29	
Uniforms for messengers, attendants, etc	235 33	
Painting outside and inside work	11,694 48	
Telephone service	30,713 67	
Ground Rent No. 5 Queen's Park	250 00	
" " " 15 " "	800 00	
" " " 17 " "	800 00	
" " " 25 " "	1,300 00	
" " " 47 " "	243 00	
Local Improvement Taxes, 25 Queen's Park	410 55	
Rental, McLean's Building, University Avenue	6,671 00	
Rental, Government Offices, Spadina Cres	20,000 00	
Ground rent, Nos. 42, 44, 46 Richmond St. W	5,248 35	
Fire protection including clothing for men	922 99	
		392,889 78
Osgoode Hall:		
Salaries	21,625 39	
Fuel, light, water and power	11,494 43	
Furniture and incidentals	3,884 15	
Uniforms for messengers	162 15	
Telephone and telegraph service	3,911 96	
Fire protection	18 00	
Cleaning of building	5,126 73	
		46,222 81
Miscellaneous:		
Salaries	32,023 09	
Automobiles, purchase, repairs, maintenance, equipment and service for all Departments of Government	18,351 75	
Services, travelling and other expenses	8,208 97	
Contingencies	9 50	
		58,593 31
Total maintenance and repairs, Government buildings		530,842 27

STATEMENT OF EXPENDITURE ON CAPITAL ACCOUNT FOR PUBLIC BUILDINGS, PUBLIC WORKS, DRAINAGE, ETC., FOR THE YEAR ENDING OCTOBER 31st, 1922.

Name of Work.	Amount	Amount
PUBLIC BUILDINGS.	$ c.	$ c.
Parliament Buildings:		
To provide additional accommodation		86,192 35
Osgoode Hall:		
General repairs and alterations	5,938 54	
Electric wiring and fixtures	126 54	
Painting interior and exterior	2,086 35	
Fittings for vaults and offices	45 00	
		8,196 43
Ontario Hospital, Brockville:		
Additions and alterations	15,613 50	
Reconstruction of Farm Patient's Building after fire	6,796 06	
Nurses' Home	3,681 07	
Extension electric light system to farm patients colony, Stagg Farm	630 48	
Roofing Barn, Stagg Farm	1,136 00	
		27,857 11
Ontario Hospital, Hamilton:		
Additions and alterations	83 59	
Reconstruction of Orchard House, destroyed by fire, including replacement of furniture and furnishings	6,602 15	
Completion of Mortuary Building, including refrigerators	3,005 60	
		9,691 34
Ontario Hospital, Kingston:		
Additions and alterations	3,694 00	
Extension of water main, water tank and tower	10,489 76	
Electric light system	5,115 23	
		19,298 99
Ontario Hospital, London:		
Water supply	4,144 28	
City of London, taxes, sewer and curb, South Dundas Street, 1922	336 60	
City of London, taxes, curb and gutter, North Dundas Street, 1922	234 58	
		4,715 46
Ontario Hospital, Mimico:		
Cold storage room and refrigerating plant		1,007 50
Ontario Hospital, Orillia:		
Additions and alterations	1,858 58	
Fire alarm, telephone and electric light system	4,675 15	
		6,533 73
Ontario Hospital, Whitby:		
Construction of works and buildings, purchase of machinery, furniture and furnishings and other expenses in connection therewith		355,310 75
Ontario Hospital, Woodstock:		
Additions and alterations		163 62
Industrial Farm, Burwash:		
Construction of works and buildings, purchase of machinery, furniture and furnishings and other expenses in connection therewith		12,724 76

PUBLIC BUILDINGS—*Continued.*

Name of Work.	Amount	Amount
PUBLIC BUILDINGS.—*Continued.*	$ c.	$ c.
Normal and Model Schools, Toronto:		
Repairs, alterations and additions and cleaning snow and ice from roofs	7,240 73	
Remodelling and repairing present school buildings	18,702 92	25,943 65
Normal and Model Schools, Ottawa:		
Repairs and incidentals	405 63	
City of Ottawa taxes, 1922	108 23	513 86
Normal School, London:		
Repairs and incidentals	1,244 77	
City of London taxes, local improvement, 1922	747 98	1,992 75
Normal School, Hamilton:		
Repairs and incidentals		1,000 16
Normal School, Peterborough:		
Repairs and incidentals		1,414 38
Normal School, Stratford:		
Repairs and incidentals		656 18
Normal School, North Bay:		
Repairs and incidentals		2,247 42
Ontario School for Deaf, Belleville:		
Repairs and incidentals	5,058 03	
Reconstruction of Main Building, including Dining Hall and Chapel	244,548 18	
Shoe Shop machinery	750 00	
Furniture and furnishings for new building	3,178 75	
Roads, walks and grounds	14,894 30	
Electric clock programme, bell and telephone system	2,360 37	270,789 63
Ontario School for Blind, Brantford:		
Repairs and incidentals	1,036 85	
Fitting and equipping room for Domestic Science	488 64	
Work on grounds, including roads, walks, and fences	1,485 19	
New equipment for kitchen	208 50	
City of Brantford, local improvement taxes, 1921 and 1922	860 57	4,079 75
Training School, Sandwich:		
Repairs and incidentals		232 08
Training School, Sturgeon Falls:		
Repairs and incidentals	77 60	
Town of Sturgeon Falls, concrete walks, fittings for Domestic Science and furnishings	895 32	972 92
Northern Academy, Monteith:		
Erection and furnishing of new buildings	35,307 11	
Repairs and incidentals	381 25	35,638 36

PUBLIC BUILDINGS—*Continued.*

Name of Work.	Amount.	Amount.
PUBLIC BUILDINGS.—*Continued*	$ c.	$ c.
Ontario Agricultural College:		
Repairs and incidentals	3,097 68	
New Veterinary College	158,113 29	
New Dairy Building	127,605 33	
New Boiler and installation, Main Boiler House	2,356 37	
Alterations to Main Building	9,616 48	
Students Residence	15 00	
Stables, Veterinary College	14,570 46	
New Main Electric Power, Light and Telephone Lines	1,400 07	
Conveyor for storage of coal	2,805 00	
Sewage disposal for new building	10,045 36	
Trench for steam mains	5,190 00	
Additional water mains	5,200 00	
Additional space in Dining Hall	3,430 58	
Cold storage, Main Dining Hall	7,429 35	
Hoists, Dairy Building	2,500 00	
Cold Storage, Dairy Building	9,000 00	
Alterations to MacDonald Hall	2,943 25	
		365,318 22
Ontario Experimental Farm, Ridgetown:		
Erection of new buildings and repairs to old buildings		7 315 00
Horticultural Experimental Station, Vineland:		
Repairs	1,966 53	
To complete house and cottage under construction	4,769 36	
		6,735 89
Eastern Ontario Dairy School, Kingston:		
To replace building destroyed by fire		24,807 34
Ontario Veterinary College:		
Alterations, additions and repairs		8,847 76
Agricultural College, Kemptville:		
Students residence		22,821 45
DISTRICTS.		
Algoma District:		
Repairs and alterations to Court House, Gaol, Registry Office, Land Titles Office and Lock-ups	794 86	
Furniture and furnishings	293 69	
New Court House, Sault Ste. Marie, including equipment, furniture and furnishings	164,371 22	
Improvements in heating Gaol	1,503 48	
		166,963 25
Kenora District:		
Repairs and alterations to Court House, Gaol, Registry Office and Lock-ups, including improvements to grounds	1,097 99	
Furniture and furnishings	13 90	
		1,111 89
Manitoulin District:		
Repairs and alterations to Court House, Gaol, Registry Office and Lock-ups, including improvements to grounds	17 30	
Furniture and furnishings	86 70	
		104 00
Muskoka District:		
Repairs and alterations to Court House, Gaol, Registry Office and Lock-ups, including improvements to grounds	602 17	
Furniture and Furnishings	191 36	
		793 53

PUBLIC BUILDINGS—*Continued.*

Name of Work.	Amount.	Amount.
PUBLIC BUILDINGS.—*Continued*		
Nipissing District:	$ c.	$ c.
Repairs and alterations to Court House, Gaol, Registry Office, Land Titles Office and Lock-ups, including improvement to grounds	2,412 87	
Furniture and furnishings	100 54	
		2,513 41
Parry Sound District:		
Repairs and alterations to Court House, Gaol, Registry Office, Land Titles Office and Lock-ups, including improvements to grounds	259 63	
Additions and alterations to Court House	47,345 53	
Furniture and furnishings	75 85	
Vault fittings and furnishings of addition	875 00	
		48,556 01
Rainy River District:		
Repairs and alterations to Court House, Gaol, Registry Office, Land Titles Office and Lock-ups, including painting and improvements to grounds	242 73	
Furniture and furnishings	379 70	
		622 43
Sudbury District:		
Repairs and alterations to Court House, Gaol, Registry Office, Land Titles Office, Lock-ups, including improvements to grounds	1,268 95	
Electric wiring, Gaol	487 00	
Electric light, service and power	150 00	
Furniture and furnishings	266 87	
		2,172 82
Temiskaming District:		
Repairs and alterations to Court House, Gaol, Registry Office, Land Titles Office, Lock-ups, including improvements to grounds	691 54	
Furniture and furnishings	635 11	
Rewiring Gaol at Cobalt	182 50	
		1,509 15
Thunder Bay District:		
Repairs and alterations to Court House, Gaol, Registry Office, Land Titles Office and Lock-ups, including improvements to grounds	1,337 44	
Furniture and furnishings	331 80	
Improvements in heating Court House and Gaol, Port Arthur	446 64	
		2,115 88
MISCELLANEOUS.		
Miscellaneous:		
Compensation to workmen injured while working on Government work, to be paid on recommendation of the Workmen's Compensation Board	8,873 18	
City of London taxes, Hygiene Building, 1922	134 71	
Insurance	20,454 31	
Unpaid accounts, 1920-1921, for construction and repairs to Public Buildings, including fittings and furnishings	14,555 80	
		44,018 00
Total Public Buildings		1,583,549 21

PUBLIC WORKS.

Name of Work.	Amount.
PUBLIC WORKS:	$ c.
Achigan Creek Bridge, Gaudette	1,221 89
Antoine Creek Bridge, Mattawan	150 25
Ashdod Bridge, Bagot	498 00
Astorville Bridge, Ferris	1,935 20
Athabaska Creek Bridge, Con. 11, Mattawan	797 15
Avon River Bridge, Lot 10, Con. 5, Medonte	1,495 41
Baptiste Creek Bridge, Armstrong Townline	693 64
Barbotte Creek Bridge, Con. 6, Calvin	132 15
Barlow Bridge, Con. 6, Armstrong	419 01
Bear Creek Bridge, Con. 6, Kirkpatrick	576 12
Bear Lake Bridge, Glamorgan	224 07
Beaumaris Bridge, Monck	2,848 34
Beaver Creek Bridge, 8th Sideline, Con. 4, Gillies	437 93
Beleys Bridge, Rosseau	465 78
Black Sturgeon Lake Bridge	5,901 69
Black Bridge, South Branch, Draper	2,749 02
Blanchette Creek Bridge, Ferris	535 00
Blue Sea Bridge, Con. 7, Bonfield	736 19
Bolton Creek Bridge, Oso	997 72
Bonnechere Bridge, Richards	400 00
Boom Creek Bridge, Papineau	988 13
Boyne Creek Bridge, Dwight	13 62
Bridgland Road Bridges	100 67
Brule Creek Bridge, Con. 5, Conmee	442 95
Burnt River Bridge, Con. 11, Sommerville	2,858 23
Burritt Creek Bridge, Con. 24, Cameron	581 98
Burritt Creek Bridge, Cameron	787 00
Byers Creek Bridge, Con. 8, Hagarty	399 00
Byers Creek Bridge, Sherwood	498 50
Byng Inlet Bridge	135 50
Contribution to Bridge over Ottawa River below Chaudiere Falls, between the Cities of Ottawa and Hull, conditional upon the Government of the Province of Quebec contributing an equal amount	38,333 33
Carson Bridge, Gore Bay	1,197 90
Cascade Bridge, Parry Sound	14,357 70
Cassells Street Bridge, North Bay, conditional	2,169 18
Casey Brethour Bridge, White River	592 99
Cedar Creek Bridge, Con. 6, O'Connor	575 32
Centre Sideline Bridge, Con. 6, Dobie	560 20
Chalk River Bridge	215 12
Clarendon Road Bridge, Olden	300 00
Clyde River Bridge, Trout Creek, Canonto	93 37
Cole Creek Bridge, Con. 6, Hagarty	1,773 29
Consta Creek Bridge, Grattan	396 77
Cooper Bridge, Con. 2, Galbraith	77 09
Corbett Creek Bridge, Con. 5, Oliver	435 11
Corbett Bridge 11 and 12, Con. 5, Oliver	277 06
Cummings Creek Bridge, Gould	716 33
Curran Bridge, Con. 5, Aberdeen	483 52
Compensation to workmen injured	1,184 78
Dam Creek Bridge, Con. 4, Hodgens	1,099 99
Dam Lake Bridge, Radcliffe	300 00
Dead Creek Bridge, Kennebec	499 97
Dechesney Creek Bridge, Con. 4, Widdifield	998 30
Deer Lake Dam	3,024 79
Depot Creek Bridge, Con. 18, Chisholm	949 84

PUBLIC WORKS—*Continued.*

Name of Work.	Amount.
Public Works.—*Continued.*	$ c.
Devine's Bridge, Brudenell	298 50
Dunchurch Bridge	971 22
Dixon Bay Bridge, Mattawan	199 90
Equipment, instruments, machinery, etc	7,330 49
Eagle Creek Bridge, Hinchinbrooke	459 17
Eagle Creek Bridge, Oakley	251 13
Echo Creek Bridge, Baysville, Dorset Road	54 07
Egan Creek Bridge, Dungannon	3,228 65
Eighth Con. Bridge, Beaver Creek, Campbell	747 54
Eighth Sideline Bridge, Kirkpatrick	476 24
Elbow Creek Bridge, Hitchinbrooke	691 56
Falardeau Bridge, White River	1,454 00
Fifth Concession Bridge, Barrett Creek	357 35
Fifth Concession Bridge	453 00
Filiatreault Bridge, Hagar, St. Charles Road	476 38
First Concession Bridge, 5th Sideline, Gillies	421 50
Fish Creek Bridge, Con. 3, McGrosson	1,323 34
Five Sideline Bridge, Lindsay	2,938 27
Fourth Con. Bridge, Henwood	251 02
Fraser Creek Bridge, Carlow, unpaid accounts, 1920-21	273 60
Furnace Falls Bridge	108 97
Galbraith Bridge, Campbell	333 52
Garson Road Bridges	4,132 38
Gordon's Bridge, Trout Creek, Ridout	127 25
Grant Creek Bridge, Head	839 22
Grant Road Bridge, Morrison	30 49
Green Lake Bridge, Wilberforce	500 00
Griffith's Bridge, Madawaska River	3,363 07
Hagar Creek Bridge, Lot 2, Con. 4	152 62
Harrow Bridge, La Cloche Creek	2,161 25
Highland Creek Bridge, Lyndoch	299 08
Hilliardton Bridge, White River	5,876 72
Hoe's Creek Bridge, Con. 9, Allan	1,028 83
Hog Creek Bridge, 5th and 6th Sidelines, Tay	999 79
Hudson Creek Bridge, Lot 6, Con. 2, Kerns	159 48
Hurd Creek Bridge, Con. 21, Grattan	3,048 85
Indian Point Bridge	533 48
Janes Bridge, Sturgeon River	2,700 00
Jeffry Bridge, Con. 2, Plummer, additional	914 67
Joly Magnetawan Bridge	215 60
Junction Creek Bridge, 6th Line, McKim	1,625 33
Keil Bridge, Lyndoch	299 50
Killaloe Bridge, Brennan Creek	899 90
Killaloe Bridge, Brennan Creek, unpaid accounts, 1920-21	312 85
Lockmasters', Bridge Tenders', Caretakers', etc., salaries	4,590 00
Laplante Bridge, Con. 8, Bonfield	64 86
Larchwood South Bridge	6,638 11
L'Amable Creek Bridge, Sabine	119 50
LaVallee Bridge, 22 and 27, Devlin	1,170 90
LaVallee Bridge, Grant	599 99
Little Serpent Bridge, Section 18, Victoria	448 90
Long Creek Bridge, Con. 3, Barrie Island	280 73
Lot 12, Bridge, Conmee Townline	387 66

PUBLIC WORKS—*Continued.*

Name of Work.	Amount.
	$ c.
PUBLIC WORKS.—*Continued.*	
Love Mill Bridge, Clyde River, Canonto	747 00
Lynch Creek Bridge, Airy	499 86
Maintenance of Locks, Dams, Bridges, Dredging, etc	69,828 56
Macey's Bridge, Baxter	1,164 24
Magnetawan Dam	15,907 67
Maple Island Bridge	5,758 04
Maple Lake Bridge, Stanhope	1,461 33
Marl Creek Bridge, Con. 11, Vespra	1,390 81
Mather-Potts Townline Bridges	915 63
Mathewson Creek Bridge, Flos-Vespra	1,669 93
Mattawan Bridge, Dawson Road	7,152 50
McArthur Bridge, Billings	292 31
McCauley Bridge, Con. 2, Assiginack	599 80
McCausland Bridge, Kennebec	396 61
McKelvie Bridge, McIrvine	66 06
McKinney Bridge, Strong, conditional	1,072 52
Mindemoya Bridge, Con. 8, Carnarvon	69 82
Middle Branch Bridge, Dysart	2,137 63
Minden Mills Bridge	1,929 28
Mink Lake Bridge, Dudley	970 86
Mississippi Bridge, Raglan	399 75
Moira River Bridge, Hungerford, conditional	1,360 00
Moore's Bridge, Baseline, Korah	1,060 86
Mud Creek Bridge, Con. 7, Billings	199 37
Mud Creek Bridge, Brudenell	599 95
Muskoka Falls Bridge, Bracebridge, Grant	5,000 00
Ninth Con. Bridge, Wassa, Chisholm	849 31
Ninth Line Bridge, Elgin	1,395 22
Norman Dam	2,617 27
North Branch Bridge, McCauley Townline	2,385 32
North Creek Bridge, Con. 4, Widdifield	994 88
North River Bridge, Con. 7, Orillia	2,125 34
Oldfield, George, damages from blasting	62 50
Oliver Creek Bridge, Stanley Road, Paipoonge	260 09
Omlet Bridge, Con. 12, Campbell	349 82
Opinicon Lake Bridge, Storrington	297 65
Port Carling Works	68,335 45
Pearsons Bridge, White River	11,653 27
Petworth Dam	1,649 32
Petewawa Bridge	501 10
Pine Creek Bridge, Con. 3, Pearson	1,157 83
Port Sandfield Dock and Bridge	1,046 15
Potomac Bridge, Con. 3, Gladstone	317 53
Poverty Creek Bridge, Airy	480 56
Quadville Bridge, Lyndoch	325 00
Red Pine Lake Bridge, Redvers	636 93
Redditt Road Bridges	64 52
Surveys and Inspections	8,785 80
Sarawak Bridge, Indian River	1,480 55
Second Con. Bridge, Kaladar	456 10
Second Con. Bridge, Tekummah	463 50
Second Line Culvert and Drain, Prince	1,692 06
Section 15, Bridge, Lefroy	281 37
Section 27, Bridge, Salter	675 00

PUBLIC WORKS—*Continued.*

Name of Work.	Amount.
	$ c.
PUBLIC WORKS.—*Continued.*	
Seventeen Bridge, LaVallee River, Devlin	511 50
Seventh Con. Bridge, Sebastopol	571 00
Sheguiandah Bridge	1,470 25
Sideline Bridge, Tiny	3,305 52
Sixth Line Bridge, Lot 4, Dunnet	591 40
Sixteen Bridge, LaVallee River, Devlin	730 54
Skeleton River Bridge, P.S. Road, Watt	333 25
Skeleton River Bridge, Watt	1,450 72
South Algoma Bridge	131 00
South LaVase Bridge, Ferris	581 95
St. John Bridge, Con. 2, Mills	297 00
Stoney Creek Bridge, Barrie	340 92
Sturgeon Bridge, 6 and 7, Con. 4, Dobie	352 27
Sunshine Creek Bridge, 2nd Line	400 74
Tenth Line Bridge, Flos	2,176 72
Third Line Bridge, Brethour	638 88
Thompson Creek Bridge, Parkinson	729 11
Twenty Side Road Bridge, Monck	1,638 18
Twenty-sixth Con. Bridge, Keppel	1,541 93
Unpaid accounts, 1920-21	23 14
Varin Bridge, Griffith	399 00
Wages and expenses, Supervising Foremen	3,716 90
Wabigoon River Bridge, Con. 5, Wabigoon	1,233 74
Walker River Bridge, Desbarats	1,477 66
West Arm Bridges, Nipissing	7,045 70
West Gwillimbury Bridges, Grant	5,000 00
Whitefish Bridge, Con. 3, Paipoonge	1,127 35
White Oak Bridge, Humphrey	13 20
White Stone Bridge, Parry Sound	2,892 58
Whitney Creek Bridge, Airy	498 15
Williams Bridge, Con. 4, Plummer, additional	790 95
Woodyat Bridge, LaVallee River	278 70
Public Works, Bridges, etc	444,532 30
DRAINAGE WORKS:	
Addington District Drainage	940 48
Algoma District Drainage	1,842 89
Casey Township Drainage	830 54
Davidson Drain, Keppel, conditional	100 62
Judge Creek Drain, Eastnor, grant	2,500 00
Kenora District Drainage	753 80
Keppel Drain, Con. 18	38 25
Krantz Drain, North Algoma	391 00
Manitoulin District, Drainage	1,829 96
Muskoka District Drainage	339 57
Nipissing District Drainage	1,932 25
North River Creek Drainage	247 50
Rainy River District Drainage	4,946 43
Rainy River District Drainage, unpaid accounts, 1920-21	354 92
Rama-Mara Drains	1,309 65
Rama Drains	100 10
Renfrew District Drainage	907 00
Sturgeon Falls District Drainage	1,980 88
Sudbury District Drainage	2,024 18
Temiskaming District Drainage	1,243 37
Willow Creek Drain, Vespra	1,141 01

PUBLIC WORKS—*Continued.*

Name of Work.	Amount.
	$ c.
DRAINAGE AID GRANTS:	
Ashcroft Municipal Drain, Albemarle	2,000 00
Boat Lake and Rankin River Drain, Amabel	2,500 00
Burk Drainage Works, Harwich	8,500 00
Drain No. 36, West Luther	3,000 00
Hanna Drain and Extension, Elma	5,400 00
Kinburn Swamp Drain, Hullett	4,500 00
Knittle Murphy Drain, Dawn	2,300 00
McDougal Drain Improvement, Lochiel	2,000 00
Morrow Drain, Ekfrid	3,000 00
Mud Creek Drain, North Gower	2,000 00
North Maitland Enlargement Drain, Elma	8,500 00
Payne River Drain, Roxborough	3,100 00
Puce River Drain, Maidstone	3,600 00
Rivait Drain, Tilbury North	2,200 00
Shearer Drain, Elma	2,100 00
Third and Fourth Sideroads, 8th and 9th Con., Drain, Brooke	7,000 00
Tremblay Creek Drains, Tilbury North	3,900 00
Total Drainage Aid	65,600 00
MISCELLANEOUS:	
To provide for the payment of the share of the Province towards the excess cost of useful municipal works undertaken by municipalities for the relief of unemployed during the winter season	139,999 86
SPECIAL WARRANTS:	
Purchase of land necessary for the rounding out of the holdings of the Province for the Ontario Reformatory, Guelph	2,500 00
Rebuilding certain bridges in the Townships of Oro and Tecumseh in the County of Simcoe	394 61
Building a dam on the Magnetawan River at the outlet of Deer Lake in the Township of McKenzie	8,329 20
Total Special Warrants	11,223 81
SUMMARY:	
Civil Government	76,457 85
Government Buildings, Maintenance and Repairs	530,842 27
Public Buildings	1,583,549 21
Public Works, Bridges, etc	444,532 30
Drainage Works	25,754 40
Drainage Aid	65,600 00
Miscellaneous	139,999 86
Special Warrants	11,223 81
Statutory	6,300 00
Grand Total	2,884,259 70

Department of Public Works, Ontario
January 25th, 1923

CLOTILDE KENTLETON
Accountant, Public Works.

DEPARTMENT OF PUBLIC WORKS, ONTARIO.
TORONTO, February 9th, 1923.

HONOURABLE F. C. BIGGS,
Minister of Public Works and Highways,
Parliament Buildings.

SIR,—I have the honour to submit the following statement showing the several contracts and bonds entered into with His Majesty, during the twelve months ending 31st October, 1922, in connection with the Public Buildings and Works, subjects to the control of the Public Works Department of Ontario.

I have the honour to be, Sir,

Your obedient servant,

H. F. MCNAUGHTEN,
Secretary and Law Clerk.

STATEMENT showing the several contracts and bonds entered into with His Majesty during the twelve months ending the 31st of October, 1922, in connection with the Public Buildings and Works, subject to the control of the Public Works Department, Ontario.

Date	Location of Work.	Subject of Contract.	Contractors.	Sureties.	Amount.
					$ c.
1921 Nov. 2	Parliament Buildings..........	Construction of Bond Vault, Treasury Dept.	J. & J. Taylor, Ltd., Toronto.	....	.... 15,983 00
Dec. 6	Whitby Hospital..............	Installing steam heating laundry, building.	Purdy, Mansell, Ltd., Toronto.	....	.... 3,990 00
Dec. 21	Parry Sound Court House, Gaol and Registry Office.	Installing steam heating and plumbing.	McTaggarts, Parry Sound, Ont.	Wm. McKinley and Alex. Logan, Parry Sound.	.... 9,600 00
Dec. 22	Guelph Agricultural College.....	Plumbing, heating and ventilating, Dairy Bldg.	Purdy, Mansell, Ltd., Toronto.	F. J. Lucas and P. C. Mansell, Toronto.	.... 20,268 00
Dec. 22	Guelph New Veterinary College..	Plumbing and heating new Veterinary College.	Sheppard & Abbott, Toronto.	The Guarantee Co., of North America.	.... 40,222 00
1922 Jan. 5	Toronto, addition to Garage, No. 15 Queen's Park.	Constructing of addition to garage.	Thomson Bros., Ltd., Toronto.	John Vokes and Thos. G. Nicholson, Contractors, Toronto.	.... 7,185 00
Jan. 12	Guelph New Dairy Bldg........	Electric wiring and conduit system.	Geo. E. B. Grinyer Co., Ltd., Guelph.	R. G. Struthers and E. B. Fewings, Galt, Ont.	.... 3,543 00
Jan. 12	Guelph New Veterinary Bldg....	Electric conduit and wiring system.	Canada Electric Co., Toronto.	United States Fidelity & Guarantee Co., Toronto.	.... 3,531 00
Jan. 13	Whitby Hospital..............	Supply of laundry fittings.......	Canadian Laundry Machinery Co., Toronto.	....	.... 21,216 50
Jan. 18	Whitby Hospital..............	Supply of two unit cascade washers for laundry.	Canadian Laundry Machinery Co., Toronto.	....	.... 9,682 00
Feb. 7	Wabis River Bridge, Con. 4, Dymond Township.	Supple of fabrication of steel superstructure.	Dominion Bridge Co., Ltd., Toronto.	....	.... 1,800 00

Feb. 28	Pearson Bridge, over White River.	Supply and delivery of steel superstructure.	Hamilton Bridge Works, Ltd., Hamilton.			5,700 00
Feb. 28	Hilliardton Bridge over White River.	Supply and delivery of steel superstructure.	Dominion Bridge Works, Co., Ltd., Toronto.			4,885 00
Feb. 28	Guelph Agricultural College, New Dairy and Veterinary College Bldgs.	Supply and construction of sewage disposal plant system.	The Schultz Bros. Co., Ltd., Brantford.	Ernest R. Read and Chas J. Parker, Brantford.		8,420 00
Feb. 23	Guelph Agricultural College. Trench for steam mains.	Construction of trench for steam mains between Veterinary College and Dairy Bldgs.	The Schultz Bros. Co., Ltd., Brantford.	Ernest R. Read and Chas. J. Parker, Brantford.		5,190 00
Mar. 2	Guelph Agricultural College.	Supply and laying water mains for Veterinary College and Dairy Bldg.	Albert W. Smith Co., Guelph.			5,200 00
Mar. 29	Larchwood Bridge over Vermilion River, Sudbury.	Supply and delivery of 70′ steel span.	Dominion Bridge Works, Co., Toronto.			1,383 00
Mar. 29	Guelph Agricultural College and Dairy Bldg.	Supply and installing temperature regulations on radiators.	Purdy, Mansell, Ltd., Toronto.			1,700 00
May 9	Guelph Agricultural College and Main Dining Hall.	Supply and instal refrigerator and ice-making plant.	Linde Canadian Refrigeration Co., Ltd., Toronto.			7,890 00
May 16	Belleville School for Deaf	Supply and delivery of cut stone for the new Main Building.	The Ritchie Cut Stone Co., Ltd., Hamilton.	C. P. Hardy and T. F. McDermott, Hamilton ton, Ont.		10,480 00
June 1	Monteith New School Bldg., (Northern Academy).	Supply of material and construction of School Bldg., Monteith.	Stuart & Sinclair, Hamilton.	A. W. Woodhall, and W. J. Southam, Hamilton.		37,150 00
June 1	New Liskeard Continuation School and alterations to Stock Pavilion.	Supply and erection of School Bldg., and alterations to Stock Judging Pavilion.	Hill-Clark-Frances, Contractors, New Liskeard	J. A. Miller and J. F. Milligan, of New Liskeard.		40,471 00
June 7	Toronto Veterinary College, Building.	Supply and installing electric passenger elevator.	Turnbull Elevator Co., Ltd., Toronto.			4,748 00
June 22	Guelph Agricultural College, and Dairy Building.	Supply and install refrigerator plant in New Dairy Bldg.	Canadian Ice Machine Co., Ltd., Toronto.			11,900 00

STATEMENT showing the several contracts and bonds entered into with His Majesty during the twelve months ending the 31st of October, 1922, in connection with the Public Buildings and Works, subject to the control of the Public Works Department, Ontario.—*Continued*

Date.	Location of Work.	Subject of Contract.	Contractors.	Sureties.	Amount.
1922 June 23	Kingston Dairy School..........	Supply of material and construction of Dairy School Bldg.	H. W. Watts, Kingston..	Simmons Bros., and Geo. H. Smith, Kingston....	$ c. 58,480 00
June 29	Guelph Agricultural College, and Veterinary Building.	Supply and construction of barn and stable for Veterinary College	Pigott-Healy Construction Co., Hamilton.	J. L. Councell and Thos. Irwin, Hamilton, Ont.	.... 24,810 00
July 11	Maple Island Bridge............	Steel superstructure for bridge over Magnetawan River, Parry Sound, Ont.	Hamilton Bridge Works Co., Ltd., Hamilton.	....	.... 2,960 00
July 11	Egan Creek Bridge.............	Steel superstructure for bridge over Egan Creek.	Hamilton Bridge Works Co., Hamilton.	....	.... 1,370 00
July 19	Guelph Agricultural College......	Supply and erect one electric freight elevator and two hand power elevators for Dairy Bldg.	The Fenson Elevator Co., Toronto.	Electric elevator........ Hand elevator.......... Hand elevator..........	.... 1,680 00 .... 744 00 .... 714 00
July 25	Black Bridge over South Branch, Muskoka River.	Steel superstructure, 1-120 ft. span	Standard Steel Construction Co., Welland.	....	.... 3,240 00
July 28	Toronto Veterinary College Bldg., alterations.	Metal furring, lathing and plastering.	W. J. Hynes, Ltd., Toronto.	....	.... 3,497 00
July 19	Belleville School for Deaf, completion of Main Bldg.	Heating, ventilating and plumbing work.	McKelvey & Birch, Kingston.	C. A. Macpherson and J. Druce, Kingston.	.... 11,950 00
Aug. 2	Belleville School for Deaf........	Galvanized iron work and roofing for Main Bldg.	Douglas Bros., Toronto..	G. R. Douglas and Elizabeth Douglas, Toronto.	.... 3,600 00
Aug. 8	North Bay Normal School.......	Repairs to Normal School........	Jeffrey & Stevens, North Bay.	....	.... 3,750 00
Aug. 25	Ridgetown Experimental Farm...	Construction of barn and horse stable.	F. G. Kennedy and Thos. McAuliffe, of Ridgetown, Contractors.	T. Armstrong and J. D. Brien, Ridgetown.	.... 5,966 58

Aug. 10	Kingston Dairy School	Plumbing, heating and ventilating system.	Elliott Bros., Kingston	Canadian Surety Co., of Toronto.		14,674 00
Aug. 12	Guelph Agricultural College and Dairy School.	Supply and instal electric fixtures	Geo. E. B. Grinyer, carrying on business under the name of Grinyer Electric Co.	London Guarantee & Accident Co., Toronto		669 00
Aug. 10	Belleville School for Deaf	Electric wiring and conduit system, New Main Building.	Moss & Stocks Electric Co., Toronto.	E. Hobson and H. R. Carradas, Toronto.		4,695 00
Aug. 11	Monteith Northern Academy	Plumbing, heating and ventilating.	Purdy, Mansell, Ltd., Toronto.	F. G. Lucas and F. W. Purdy, Toronto.		15,520 00
Aug. 12	Monteith Northern Academy	Electric wiring fixtures, lamps	Toronto Electric Co., Toronto.	Geo. Cruise and Jane Cruise, Toronto.		2,107 00
Aug. 16	Toronto Parliament Bldgs	Supply and instal oil burning plant and equipment.	T. J. Cunerty, Toronto			7,300 00
Aug. 18	Old Veterinary College Bldg., Toronto.	Supply and instal oil burning plant and equipment.	T. J. Cunerty, Toronto			4,800 00
Aug. 15	Monteith Academy	Supply and construction of boiler house and chimney	Stuart & Sinclair, Hamilton.	Boiler house Chimney		6,915 00 4,902 84
Sept. 2	Belleville School for Deaf	Supply and work laying marble, tile and terrazzo, Main Bldg	Italian Mosaic & Tile Co. Ltd., Toronto.			8,320 00
Sept. 9	Moira River Bridge	Supply and delivery of steel span	Hamilton Bridge Works Co., Ltd., Hamilton			1,287 00
Sept. 14	New Liskeard Agriculture High School.	Electric conduit and wiring system	Toronto Electric Co., Toronto.	Geo. Cruise and Jane Cruise, Toronto.		1,248 00
Sept. 14	Kingston Dairy School	Electric conduit and wiring system	James Harris, Kingston	R. F. Elliot and F. W. Milo, Kingston.		2,250 00
Sept. 14	Whitby Hospital, Nurses' Home	Hot water heating system	Purdy, Mansell, Ltd., Toronto.	F. J. Lucas and P. C. Mansell, Toronto		8,150 00
Sept. 14	New Liskeard High School	Plumbing, heating and ventilating system	Purdy, Mansell, Ltd., Toronto.	F. J. Lucas and P. C. Mansell, Toronto.		11,598 00

Statement showing the several contracts and bonds entered into with His Majesty during the twelve months ending the 31st of October, 1922, in connection with the Public Buildings and Works, subject to the control of the Public Works Department, Ontario.—*Continued.*

Date.	Location of Work.	Subject of Contract.	Contractors.	Sureties.	Amount.	
1922						$ c.
Sept. 28	Monteith Northern Academy	Construction of sewage disposal plant.	Stuart & Sinclair, Hamilton.			6,700 00
Sept. 29	Walker River Bridge	Supply and delivery, steel span, F.O.B. cars, Desbarats.	Canadian Bridge Co., Ltd., Walkerville.			632 00
Sept. 29	Sault Ste. Marie, Court House	Supply and instal vault fittings, and steel furniture.	Office Specialty Co., Ltd., Toronto.			9,075 00
Oct. 5	Belleville School for Deaf, Assembly Hall.	Supply and delivery cut stone	Ritchie Cut Stone, Ltd., Hamilton.	J. Chisholm and Thos. B. McQueston, Hamilton.		2,400 00
Oct. 7	Toronto Liquor License Commission, garage.	Supply and construction of garage building.	Thomson Bros., Ltd., Toronto.	F. G. Nicholson and O. Mowat Moore, Toronto		11,992 00
Oct. 10	Guelph Agricultural College, Veterinary Hospital.	Heating system for Hospital Bldg.	Purdy, Mansell, Ltd., Toronto.	A. K. Purdy and P. C. Mansell, Toronto.		1,694 00
Oct. 17	Kaladar Bridge over Scootamata River.	Supply and delivery of 60-foot steel span.	Hamilton Bridge Works Co., Ltd., Hamilton.			1,300 00
Oct. 17	Toronto Parliament and Departmental Bldgs, Osgoode Hall, Normal School and Government House.	Supply of hard coal, season 1922-23.	P. Burns & Co., Ltd., Toronto.	Geo. McDonald and John J. Burns, Toronto, Ont.	Hard coal.. Pea coal... Cannel coal Hard wood Pine slabs.	13 70 13 00 15 75 20 00 14 00
Oct. 17	Toronto, Parliament and Departmental Bldgs., Normal and Model Schools, Government House and Veterinary College Bldg.	Supply of soft coal, season 1922-23	Doane Coal Co., Ltd., Toronto.	A. K. Doane and W. H. Bryan, Toronto.	Bolivar smokeless coal.	7 20
Oct. 17	Ottawa, Normal and Model Schools.	Supply of hard and soft coal. Season 1922-23.	Independent Coal Co., Ltd., Ottawa.	R. Richardson and J. B. Lefebvre, Ottawa.	Egg....... Soft....... Slabs.....	12 00 8 50 7 00

Oct. 17	London Normal School..........	Supply of coal and pine slabs. Season 1922-23.	Hunt Bros., London, Ont.	Jas. A. Cowan and E. E. Smith, London.	Egg....... Pine.......	14 30 8 00
Oct. 17	Peterborough Normal School.....	Supply hard egg and pine slabs. Season 1922-23.	H. B. Taylor & Son, Peterborough.	E. B. Fowler and J. F. Allen, Peterborough.	Egg....... Pine.......	15 75 5 00
Oct. 17	Hamilton Normal School..........	Supply of hard coal. Season 1922-23.	Gillies-Guy, Ltd., Hamilton.	F. C. L. Etherington and H. W. Robinson, Hamilton.	Egg....... Nut....... Soft.......	13 95 14 50 8 50
Oct. 17	Stratford Normal School.........	Supply of hard coal. Season 1922-23.	N. R. Fiebig, Stratford...	J. J. Mason and R. J. Moffat, Stratford.	Pocahontas lump..	10 00
Oct. 17	North Bay Normal School.........	Supply of coal. Season 1922-23...	Lindsay & McCluskey, North Bay.	N. R. Charlton, North Bay.	Pocahontas	15 75
Oct. 17	Belleville School for Deaf........	Supply of slack and hard coal. Season 1922-23.	Downey Coal Co., Belleville.	H. O'Hara and J. Connolly, Belleville.	Slack...... Stove...... Nut.......	8 24 15 50 15 50
Oct. 17	Brantford School for Blind.......	Supply of hard and soft coal. Season 1922-23.	D. McDonald, Brantford.	J. Fair and M. W. McEwen, Brantford.	Hard...... Soft.......	13 50 9 80
Oct. 17	Guelph Agricultural College......	Plumbing work in Veterinary Hospital.	A. W. Smith Co., Ltd., Guelph.	R. L. Torrance and F. D. Martin, Guelph.	....	985 00

H. F. McNaughten,
Secretary and Law Clerk,
Public Works Department.

Sixteenth Annual Report

OF THE

GAME AND FISHERIES DEPARTMENT

1922

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

TORONTO:
Printed and Published by Clarkson W. James, Printer to the King's Most Excellent Majesty
1923

PRODUCED BY
The
United Press
LIMITED
TORONTO
CANADA

To His Honour HENRY COCKSHUTT, ESQ.,

Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

I have the honour to submit herewith, for the information of Your Honour and the Legislative Assembly, the Sixteenth Annual Report of the Game and Fisheries Department of this Province.

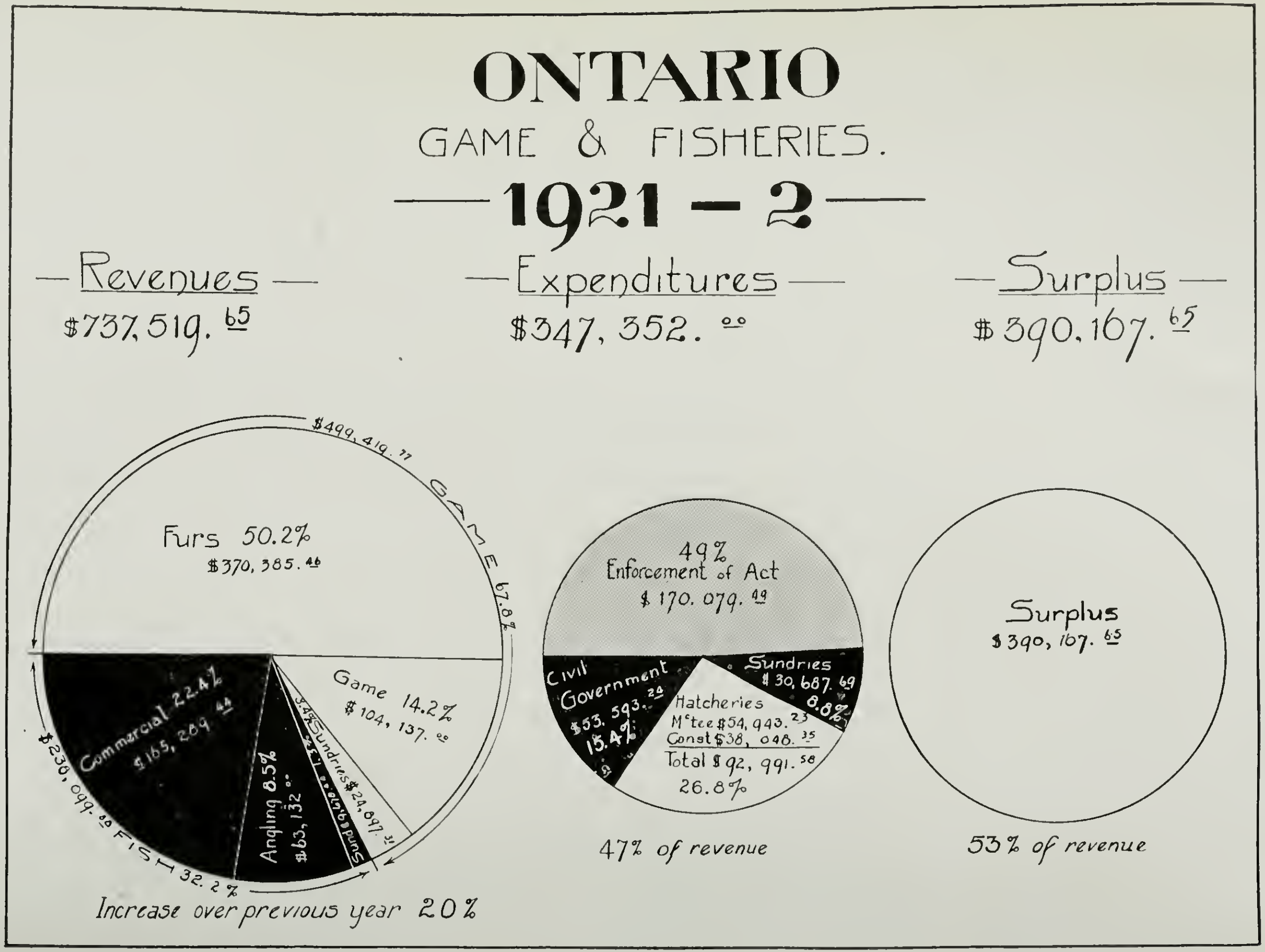
I have the honour to be

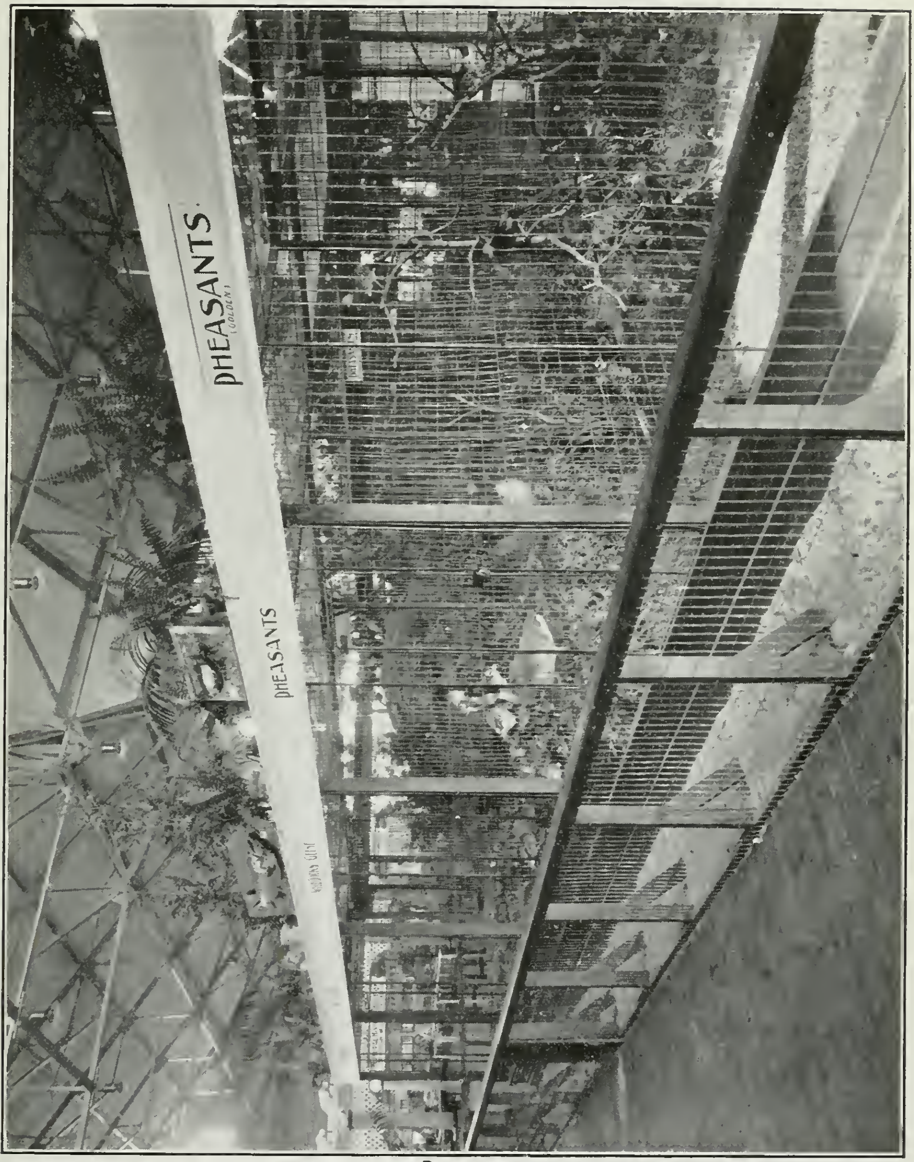
Your Honour's most obedient servant,

H. MILLS,

Minister of Mines.

Toronto, 1923.


ONTARIO
GAME & FISHERIES.
1921 – 2
Revenues
$737,519.65
Expenditures
$347,352.00
Surplus
$390,167.65
$499,419.77 GAME 67.8%
Furs 50.2%
$370,385.46
Game 14.2%
$104,137.00
3.4% Sundries $24,897.31
Sund 9,410.00 1.3%
Angling 8.5%
$63,132.00
Commercial 22.4%
$165,289.44
$230,099.00 FISH 32.2%
Increase over previous year 20%
49%
Enforcement of Act
$170,079.49
Civil Government
$53,593.24
15.4%
Sundries
$30,687.69
8.8%
Hatcheries
McTee $54,943.23
Const $38,048.35
Total $92,991.58
26.8%
47% of revenue
Surplus
$390,167.65
53% of revenue



Portion of Exhibit at C. N. E., Toronto

SIXTEENTH ANNUAL REPORT

OF THE

Game and Fisheries Department of Ontario

To the Honourable H. MILLS,
Minister.

SIR,—I have the honour to place before you the Sixteenth Annual Report of the work of the Game and Fisheries Department for the fiscal year ending the 31st day of October, 1922. The gross revenue received (aside from the receipts from the Sales Branch) amounted to $737,519.65, and after deducting expenditures of both capital charges and ordinary expenses, a net surplus was obtained of $390,167.65.

COMPARATIVE STATEMENT OF REVENUE AND EXPENDITURE, 1916-1922 INC., AS SHOWN IN THE PUBLIC ACCOUNTS.

	Revenue.	Expenditure.	Surplus.
1916	$174,186 71	$157,681 94	$ 16,504 77
1917	219,442 94	154,055 17	65,387 77
1918	258,671 62	167,795 22	90,876 40
1919	346,197 14	185,247 72	160,949 42
1920	466,550 86	239,978 13	226,572 73
1921	612,972 86	287,608 87	325,363 99
1922	737,519 65	347,352 00	390,167 65

SALES BRANCH.

1922	$24,825 39	$52,133 05	....

The Sales Branch was discontinued during the year.

STATISTICS.

The figures and statements presented herein, furnishing statistics of the various branches within the Department, have been carefully prepared and provide very interesting and valuable information.

FISH.

The statistics of the commercial fisheries of the Province are shown in comparison as follows:—

	1920	1921	1922
Gill nets licensed (yards)	5,501,827	6,181,883	6,239,582
Seines "	168	180	186
Pound nets "	1,080	1,052	1,285
Hoop nets "	1,442	1,445	1,282
Dip and Roll nets licensed	29	41	59
Spears "	122	116	151
Hooks "	64,330	78,663	85,865
Number of men employed	3,693	3,600	4,003
Number of tugs	124	116	101
Number of gasoline boats	803	924	946
Number of sail or row boats	1,088	1,109	1,181
Value of boats, ice-houses, wharves and twine	$3,269,971 00	$3,151,810 00	3,352,410 001
Aggregate catch in pounds	38,501,533	36,444,372	38,022,017
Value to fishermen	$2,691,093 74	$2,656,775 82	$2,807,525 21

ANGLING.

The fee for non-resident angling permits was maintained at $5.00, and all residents may angle without permit or charge, except on such territories as are legally prohibited. For the waters of Lake Nipigon and Nipigon River a special permit is required by both residents and non-residents. The fees collected for angling permits for the year amounted to $63,132.00, as compared with $56,565.00 for the previous year. The reports received from issuers of permits and from anglers throughout the province show that game fish of all kinds are plentiful and no doubt due credit must be given to the distribution of fry and fingerlings by the provincial hatcheries for the past few years.

HATCHERIES.

Since the year 1918, the Department has completed, equipped and maintained three large and modern hatcheries for the propagation of both commercial and game fish, with the result that the distribution of fry and fingerlings has correspondingly increased and the public waters are now showing the benefits of these expenditures with gratification to the anglers as well as those who are catering to the transportation and other needs of the tourist trade. In order that this work may be further extended, a most suitable site for a large hatchery has been secured in the eastern part of the Province near the town of Picton, in Prince Edward county. The property includes what is known as the "Lake-on-the-Mountain," which provides an ample and admirable water supply by gravity. This hatchery will fill a long felt need for the supply of game fish throughout the eastern part of the Province at the least possible transportation costs.

A detailed report of the waters stocked will be shown elsewhere in this report, and the summary which is here shown can be considered very satisfactory, as compared with the previous year:—

	1921	1922
Whitefish Fry	115,950,000	189,775,000
Pickerel Fry	27,625,000	43,510,000
Salmon Trout Fry	110,400	7,815,000
Steel Head Salmon Fry	....	5,300
Herring Fry	9,740,000	26,250,000
Rainbow Trout Fry	....	21,000
Speckled Trout Fingerlings and Fry	1,147,500	2,184,075
Black Bass Fingerlings and Fry	773,500	613,500
Parent Black Bass	742	937
	155,347,142	270,174,812

The demand for fry and fingerlings increases year by year, and the demand exceeds the available supply in spite of the increased deliveries, which are summarized since the year 1912, as follows:—

1912	150,000	1918	58,356,631
1913	173,815	1919	22,361,748
1914	598,630	1920	77,783,360
1915	1,697,425	1921	155,347,142
1916	1,570,450	1922	270,174,812
1917	2,156,928		

GAME SANCTUARIES.

During the year an additional area was set aside as a game sanctuary under the authority of an Order-in-Council, and a complete list of all areas set aside by this Department is shown, as follows:—

Miner Farm Sanctuary	Essex County.
Peasemarsh Farm Sanctuary	Grey County.
Nopiming Game Sanctuary	Carleton and Renfrew Counties.
Eugenia Fish and Game Preserve	Grey County.
Peel Game Preserve	Peel County.

The wild life of the Province of Ontario is considered, and has been definitely determined as one of the most valued assets of the Province, which must be protected, but not, however, to the exclusion of the pleasure of the sportsmen or the out-of-door enthusiast. As the population increases and the advance of civilization encroaches the covers and protective areas of all wild life, a proprietorial condition arises, that, of necessity, upsets the balance in nature, and the Department is forced to adopt various measures by which the perpetuity of wild life may be insured. Certain sections of the province with natural cover for fish and game, have, of recent years, been made more accessible to the fishermen and hunters through the development of the automobile. This fact, together with the increased number of anglers and sportsmen, naturally calls for the establishment of more or less drastic measures and a strict enforcement of the Act, for the perpetuity of wild life, and it is such a condition that necessitates a close or extended close seasons upon our fish, game birds and animals when threatened with extermination, a cutting of bag limits, and the limiting of a season's kill or catch, the establishment and maintenance of Crown Game and Fish preserves, and any other means and methods that would be in the interests of wild-life preservation.

Further suitable areas set aside as sanctuaries would be in the best interests of conservation. Some improvement and development work has been carried on at the Eugenia preserve with provisions made for the care of birds, animals and equipment necessary for the display at the Canadian National Exhibition each year, as well as work carried on for the collection of speckled trout spawn and the rearing of English ringnecked pheasants. Approximately 3,000 pheasant eggs were produced, some of which were hatched on the preserve and a number of settings were furnished to sportsmen and farmers in various parts of the Province, with a view of establishing these fine game birds in various sections by what is considered to be the most effective method. Most of the birds reared on the preserve were kept for further propagation work, while a few were allowed full liberty in order that it could be determined whether these birds could be successfully established in most parts of the Province. All pheasant eggs distributed and birds derived therefrom remain the property of the Crown, and are subject to all the provisions of the Act and its regulations.

Planting of Wild Rice.

During the year a further supply of wild rice was furnished to each district warden, who instructed his overseers in regard to the waters in which same would be sown, and this work, which has been carried on for a number of years, has met with the full support and appreciation of the local game associations. A continuance of this policy would be advisable in view of the success attained and the benefits resulting therefrom.

Game.

Deer are still reported to be quite plentiful, although any relaxation in the enforcement of the Act or in the present laws would seriously effect the continued supply.

Moose would appear to be less numerous, and the number of moose licenses sold has decreased.

A comparison of the number of deer and moose licenses sold for three years is as follows:—

	1920	1921	1922
Resident Moose	1,988	1,989	1,584
Resident Deer	16,943	18,689	20,504
Non-resident Hunting	796	950	1,256

Ruffed Grouse, commonly known as partridge, are reported as being quite plentiful in all sections where they are usually found, and large numbers were taken by sportsmen.

Quail are still protected by an entire close season, and are reported in fair numbers in the counties of Essex and Kent.

Pheasants are still protected by an entire close season, and are reported in fair numbers throughout the Niagara peninsula.

Ducks and *Geese* are still plentiful and the season has been a satisfactory one.

FURS.

The catch of fur-bearing animals continues to increase owing to the large number of trappers under license, although some varieties of animals are reported as becoming scarcer.

Beaver continue to be taken in large numbers, but are reported as becoming scarce.

Otter have been taken in approximately the same number, but are reported as becoming scarce.

Fisher and *Marten* are reported as being scarce.

Muskrat were taken in approximately the same number as in the year previous.

COMPARISON OF PELTS EXPORTED AND TANNED FOR THE YEARS OF 1920-1-2.

	1920	1921	1922
Beaver	96,006	95,479	93,971
Otter	4,094	4,759	5,309
Fisher	4,069	2,602	2,657
Marten	6,315	6,533	7,327
Mink	33,695	42,667	78,487
Muskrat	434,066	479,866	554,888
Bear	409*	1,494	2,137
Fox (Cross)	39*	287	469
Fox (Red)	231*	5,282	11,272
Fox (Silver or Black)	11*	153	87
Fox (White)	....	351	1,765
Fox (not specified)	240*	23	170
Lynx	170*	591	836
Raccoon	321*	11,951	20,344
Skunk	1,082*	47,121	73,219
Weasel	3,095*	58,898	94,399
Wolverine	......	12	6
	583,843	758,069	947,343

The figures marked with (*) cover a period of only five months of the year 1920. The estimated value to the trapper for the pelts taken in 1922, based on an average of the prices paid for the year, is $4,489,288.79.

FUR-FARMING.

Fur-farming permits were issued for 141 farms, which are stocked with:—

Beaver	4
Fisher	3
Cross Fox	270
Red Fox	206
Silver and Black Fox	1,088
Lynx	2
Mink	94
Opossum	6
Raccoon	50
Skunk	82
	1,805

ENFORCEMENT OF ACT.

The enforcement of the Act by the wardens, special patrol officers and overseers was carried out generally with efficiency, and in the best interests of conservation. The earnest co-operation of the public and sportsmen is sought to bring about a better understanding in regard to the Department's efforts and to conserve all game and fish.

SUMMARY OF CONVICTIONS, FINES AND CONFISCATIONS FOR THE YEAR.

Convictions	982
Fines collected	$18,340 91
Sale of confiscations	12,907 91

ARTICLES CONFISCATED.

	PELTS.
1,634	Muskrat pelts
768	Beaver “
499	Mink “
427	Weasel “
229	Skunk “
113	Raccoon “
42	Otter “
6	Marten “
1	Lynx “
79	Red Fox “
5	Cross Fox “
18	Fisher “
9	Bear “
8	Wolf “
11	Squirrel “
15	Deer Hides
3	Moose Hides
3,867	Total Pelts.

	GAME AND FISH.
4	Live Squirrel
2	Live Coon
319	Partridge
103	Ducks
18	Rabbits
1	Goose
1	Pheasant
2	Quail
49	Deer
16	Portions of Deer
15	Portions of Moose
2,100	lbs. Fish
31	Boxes Fish

ACCESSORIES.

144	Gill Nets (pieces)
63,300	Yards Gill Net
46	Hoop Nets
8	Dip Nets
8	Seine Nets
1	Pound Nets
25	Spears
120	Night Lines, etc.
52	Fishing Poles, Reels, etc.
8	Jack Lights
3	Tugs
2	Motor Boats
1	Skiff
2	Canoes
14	Rowboats
70	Decoy Ducks
1	Durant Motor Car
1	Chevrolet Motor Car
1	Ford Motor Car
1	Ford Truck
80	Shotguns
102	Rifles
6	Revolvers
679	Steel Traps
3	Trunks
6	Suitcases
2	Hand Axes
2	Hunting Knives
1	Blanket
1	Ground Sheet
2	Rolls Chicken Wire

All confiscations are sold at advertised sales by tender, other than such articles as are sold by the Department to the former owner, when circumstances warrant.

ACKNOWLEDGMENT.

In closing this report, I desire to state that the Department has received willing support and co-operation from the Federal Government, railway officials, and from the members of all fish and game protective associations who are striving to assist in conserving the fish and game of the Province. I wish also to express my due appreciation of the loyal support given by the staff of both the inside and outside service, and to whom a fair share of the credit must be given for any success that has been attained by the Department.

All statistics referred to will be found elsewhere in this report, together with many other statistics in detail.

All of which is respectfully submitted.

I am,

Your obedient servant,

(Sgd.) D. McDONALD,
Deputy Minister of Game and Fisheries.

STATEMENT OF REVENUE RECEIVED BY GAME AND FISHERIES DEPARTMENT, NOVEMBER 1st, 1921, TO OCTOBER 31st, 1922.

GAME

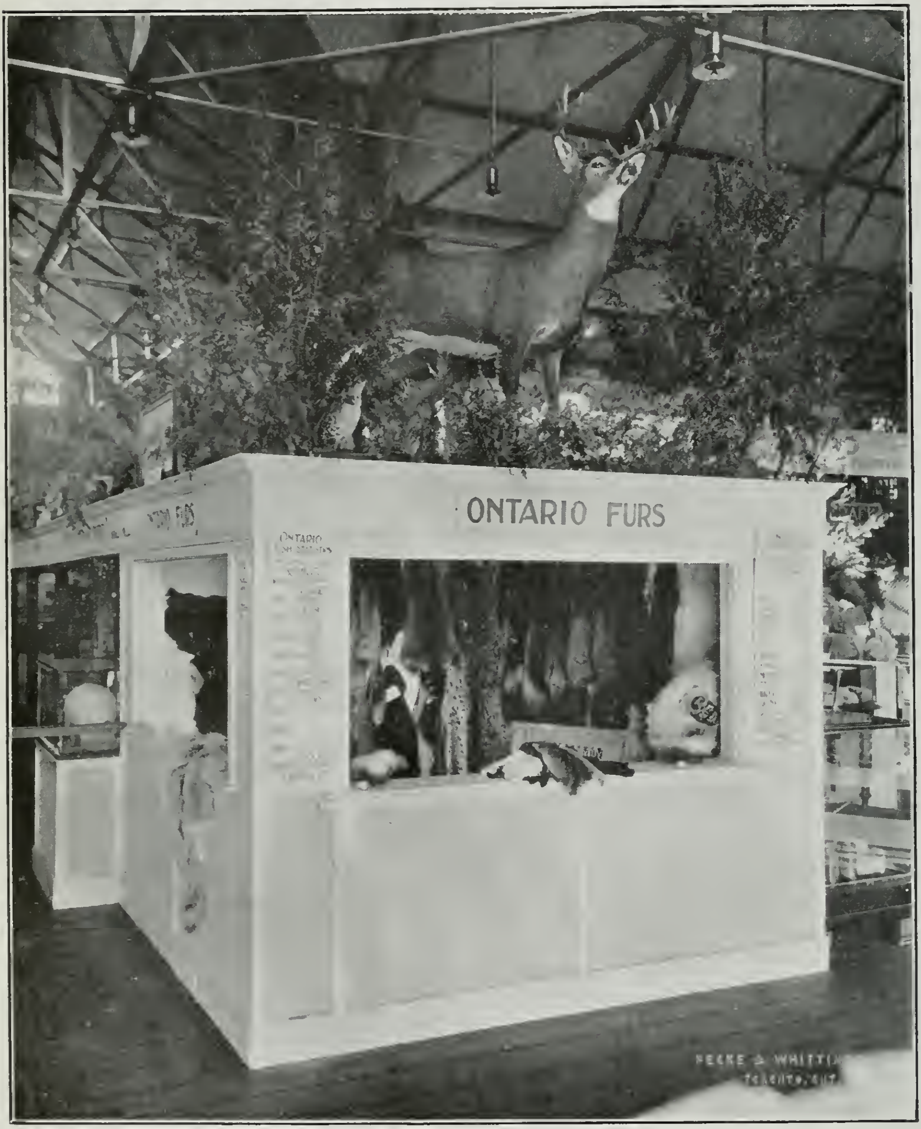
Royalty on Furs	$89,115 96	
Indian Coupons	65,954 00	
Trapper's Coupons	64,665 00	
Trapper's Licenses	71,833 25	
Non-Resident Hunting Licenses	31,400 00	
Resident Deer Licenses	61,651 00	
Resident Moose Licenses	7,920 00	
Fur Dealer's Licenses	77,862 00	
Fur Farmer's Permits	675 25	
Tanner's Licenses	280 00	
Game Dealer's Licenses	677 00	
Hotel and Restaurant Licenses	329 00	
Cold Storage Licenses	155 00	
Guide's Licenses	2,160 00	
Fines—Game	16,154 98	
Sales—Game	8,587 33	
		$499,419 77

FISHERIES

Fishing Licenses	$130,844 00	
Royalty—Fish	34,445 44	
Angling Permits	63,132 00	
Fines—Fish	2,185 93	
Sales—Fish	4,320 58	
Miscellaneous	3,171 93	
		$238,099 88

SALES BRANCH

Sale of Fish, etc	$ 24,825 39
Total	$762,345 04



Portion of Exhibit at C. N. E., Toronto.

WATERS STOCKED

WITH QUANTITIES AND KINDS OF FISH PLANTED IN 1922

Black Bass Fry and Fingerlings

Waters	County or District	Quantity
Varty Lake	Addington	5,000
Beaver Lake	“	5,000
Deer Lake	“	2,500
Scoot River	“	2,500
Lake Deborne	Algoma	2,500
Blue Lake	Brant	5,000
Fairchild's Creek	“	10,000
Lake Chesley	Bruce	4,000
Gould Lake	“	8,000
Funton Mill Dam	“	2,500
Pearl Lake	“	4,000
Sauble River	“	4,000
Saugeen River	“	10,000
Lake Deschene	Carleton	4,000
Scugog Lake	Durham	5,000
Grand River	Dufferin	5,000
Cole's Lake	Frontenac	5,000
Eagle Lake	“	5,000
Loborough Lake	“	5,000
Big Clear Lake	“	5,000
Wickware Lake	“	2,500
Drysdale's Lake	“	5,000
Antoine Lake	“	5,000
Collin's Lake	“	5,000
Mountain Lake	Grey	2,500
Irish Lake	“	2,500
Lake St. Frances	Glengarry	5,000
Maitland River	Huron	2,500
Cocklong Lake	Haliburton	2,500
Gull Lake	“	4,000
Barnam Lake	“	2,500
Miserable Lake	“	2,500
Kuskog Lakes	“	2,500
Beach Lake	“	2,500
Grass Lake	“	2,500
Grace Lake	“	5,000
Yankton Lake	“	2,500
Round Lake	“	4,000
Lake Medad	Halton	5,000
Stoco Lake	Hastings	5,000
Eagle Lake	“	4,000
Twin Lake	“	2,500
Crow Lake	“	2,500
Moira River	“	5,000
Burnt Lake	“	5,000
Rosses Lake	“	5,000
Grand River	Haldimand	9,000
Rondeau Bay	Kent	4,000
Mississippi Lake	Lanark	5,000
Otty Lake	“	5,000
Mississippi River	“	2,500
Robertson's Lake	“	5,000
Rideau Lakes	Leeds	2,500
Charleston Lake	“	5,000
Sand Lake	“	5,000
Indian Lake	“	2,500
Newboro Lake	“	2,500
Clear Lake	“	2,500
Gananoque Lake	“	5,000
Upper Beverly Lake	“	5,000
Sixteen Mile Creek	Lincoln	5,000
Lake Gibson	“	2,000
Pond Mills	Middlesex	5,000
Bear Creek	“	4,000
Foster Lake	“	5,000

WATERS STOCKED

WITH QUANTITIES AND KINDS OF FISH PLANTED IN 1922—*Continued*

Black Bass Fry and Fingeriings

Waters	County or District	Quantity
Dingman's Creek	Middlesex	4,000
Lake of Bays	Muskoka	5,000
Lake Vernon	"	2,000
Fairy Lake	"	2,000
Peninsular Lake	"	5,000
Oxtongue Lake	"	5,000
Severn River	"	5,000
Sparrow Lake	"	5,000
Clearwater Lake	"	2,500
Long Lake	"	5,000
Buck Lake	"	4,500
Near Cut	"	2,000
Stewart Lake	"	2,500
Estella Lake	"	2,500
Cache Lake "Algonquin Park"	Nipissing	2,500
Henry Lake "Algonquin Park"	"	2,500
Hill's Lake	"	5,000
George Lake	"	5,000
McLaughlin Lake	"	5,000
Beaver Lake	"	2,500
Wasa Lake	"	2,500
Presque Isle Bay	Northumberland	4,000
Trent River	"	5,000
Cranache's Lake	"	5,000
Little Lake of Cramahe	"	5,000
Cedar Creek	Oxford	4,000
Mill Pond	"	2,500
Lisgar Lake	"	5,000
Thames River and tributaries	"	2,500
Harris Lake	Parry Sound	4,000
Whitefish Lake	"	5,000
Mill Lake	"	2,500
Magnetawan River	"	2,000
Ahmic Lake	"	5,000
Bear Lake	"	2,500
Loon Lake	"	2,500
Maple Lake	"	2,000
Pickerel Lake	"	2,500
Cecebe Lake	"	2,500
Trout Lake	"	2,500
Duck Lake	"	2,000
Marsh Lake	"	2,000
Doe Lake	"	2,500
Ruthe Lake	"	2,500
Blackstone Lake	"	2,500
West Lake	Prince Edward	5,000
East Lake	"	5,000
Parson's Dam	Peel	5,000
Deer Lake	Peterborough	2,500
Stoney Lake	"	5,000
Clear Lake	"	5,000
Lovesick Lake	"	2,500
Gannon's Narrows	"	5,000
Muskrat Lake	Renfrew	5,000
Barry's Bay	"	5,000
Kemiskeg Lakes	"	5,000
Severn River	Simcoe	7,500
Bass Lake	"	5,000
Little Lake	"	5,000
Lake Semple	"	7,500
Orr Lake	"	5,000
Ramsay Lake	Sudbury	2,000
Bushy Lake	"	2,000
Red Pine Lake	"	2,000
Apsey Lake	"	5,000

WATERS STOCKED

WITH QUANTITIES AND KINDS OF FISH PLANTED IN 1922—*Continued*

Black Bass Fry and Fingerlings

Waters	County or District	Quantity
Bass Lake	Sudbury	2,500
Lee's Lake	"	2,500
Chapleau Lake	"	2,500
Cranberry Lake	"	4,000
Twin Lakes	Timiskaming	5,000
Lake Sesekinika	"	5,000
Big Water Lake	"	5,000
Sturgeon Lake	Victoria	5,000
Cameron Lake	"	5,000
Balsam Lake	"	5,000
Waterloo Dam	Waterloo	2,500
Grand River	"	10,000
Paradise Lake	"	4,000
New Dundas Dam	"	5,000
Wellesley Dam	"	2,500
Hamilton Bay	Wentworth	5,000
Dundas Waterworks Dam	"	2,500
Puslinch Lake	Wellington	5,000
Speed River	"	5,000
Grenadier Pond	York	2,500
Water Fowl Pond, "Centre Island," Toronto	"	2,500
Lake Simcoe	"	5,000
Total		613,500

Parent Bass

Waters	County or District	Quantity
Achigan Lake	Algoma	185
Squaw Lake	Kenora	252
Second Lake	"	250
Masey Lake	Thunder Bay	125
Rogers Lake	" "	125
Total		937

Speckled Trout Fry and Fingerlings

Waters	County or District	Quantity
Trout Lake	Algoma	10,000
Green Lake	"	5,000
Johnson Lake	"	5,000
Kerrs Lake	"	5,000
Mud Lake	"	5,000
Clear Lake	"	5,000
Moose Lake	"	5,000
Basswood Lake	"	5,000
Agawa River	"	5,000
Mongoose Lake	"	10,000
Spruce Lake	"	10,000
Loon Lake	"	5,000
Pine Lake	"	5,000
Hobon Lake	"	10,000
Herman Lake	"	5,000
Hawk Lake	"	5.000
South Chippewa River	"	10,000
Sand Lake	"	20,000
Speckled Trout Brook	"	10,000
Peak Lake	"	5,000
Emerald Lake	"	5,000
Round Lake	"	5,000
Lake No. 1	"	5,000
Lake Elizabeth	"	5,000
Lake Maud	"	5,000
Silver Creek	"	5,000

WATERS STOCKED

WITH QUANTITIES AND KINDS OF FISH PLANTED IN 1922—*Continued*

Speckled Trout Fry and Fingerlings

Waters	County or District	Quantity
Koshawang River	Algoma	5,000
Richardson's Creek	“	10,000
Harmony Spring Creek	“	10,000
Beryl Lake	“	15,000
McCarroll's Lake	“	5,000
Cloudy Lake	“	5,000
Dyment Lake	“	5,000
Stoney Creek	“	10,000
Carp Creek	“	10,000
Blueberry Lake	“	500
Whiteman's Creek	Brant	10,000
German's Spring Creek	“	10,000
Switzer's Creek	“	10,000
Spring Creek	“	10,000
Fairchilds Creek	“	1,000
Barker's Creek	“	1,000
Gibson's Creek	Bruce	2,000
Spring Creeks	“	9,000
Thomson's Creek	“	5,000
Monkman's Creek	“	5,000
Sullivan Creek	“ and Grey	5,000
Rathwell's Spring	“	10,000
Elderslie Snake Creek	“	10,000
Hammond Creek	“	10,000
Underwood Creek	“	10,000
Wolf Creek	“	10,000
Barber's Spring Creek	“	10,000
Black Snake Creek	“	1,000
Stoney Spring Creek	“	10,000
Creeks on Lot 20, Con. 7, 8, 9 and 10	“	10,000
Grand River	Dufferin	5,000
Credit River and tributaries	“	5,000
Hill Creek	“	2,500
Curtis Creek	“	2,500
Tyrone Creek	Durham	20,000
Wilmot's Creek	“	10,000
Courtice Creek	“	10,000
Mount Pleasant Creek	“	5,000
Por Hope Creek	“	5,000
Happy Valley Stream	“	20,000
Braggs Creek	“	10,000
Haydon Stream	“	10,000
Cotton Creek	“	10,000
Smith's Creek	“	5,000
Devitt's Creek	“	5,000
Spring Creek	“	10,000
Galbraith's Creek	“	5,000
Ganeraska	“	10,000
Pigeon Creek	“	5,000
Mountjoy's Creek	“	5,000
Cole Creek	Frontenac	5,000
Judge's Spring Creek	“	5,000
Trout Lake Creek	“	10,000
Fall River	“	5,000
Saugeen River and tributaries	Grey	41,000
Rocky Saugeen	“	10,000
Sydenham River, "Harrison's Park"	“	30,000
Holstein Mill Pond	“	10,000
Indian River	“	10,000
Silver Creek	“	10,000
Spring Creek (near Priceville)	“	10,000
Petty's Creek	“	5,000
Varney Creek	“	5,000
Gordon's Creek	“	5,000

WATERS STOCKED

WITH QUANTITIES AND KINDS OF FISH PLANTED IN 1922—*Continued*

Speckled Trout Fry and Fingerlings

Waters	County or District	Quantity
Eugenia Crown Game and Fish Preserve	Grey	122,000
Stoney Creek	“	10,000
Gowin Creek	“	10,000
Beatty Saugeen River	“	10,000
Little Saugeen	“	1,000
McCallum's Creek	Huron	5,000
Silver Creek	“	10,000
Sharp's Creek	“	11,000
Somerville Creek	“	5,000
Belgrave Creek	“	5,000
Farquar Lake	Haliburton	10,000
Twelve Mile Creek	Halton	10,000
Creek near Acton	“	5,000
Squire's Creek	Hastings	15,000
Rawdon Creek	“	10,000
Egan Creek	“	5,000
Spring Creek	“	10,000
Lott's Creek	“	10,000
Mason Creek	“	10,000
Mississippi River	Lanark	5,000
Dunn's Creek	Leeds	1,000
Currie's Pond	Middlesex	10,000
Douty Creek	“	10,000
McFarland Spring Creek	“	5,000
Blue Jay	Manitoulin	20.000
Manitou River	“	20,000
Norton's Creek	“	20,000
Mills Creek	“	5,000
Spring Creek	“	5,000
Fry's Lake	Muskoka	10,000
Doty's Lake	“	5,000
White Lake	“	5,000
Patterson's Creek	Norfolk	10,000
Kent Creek	“	10,000
Crane Creek	“	2,000
Young's Creek	“	20,000
Winter's Creek	“	10,000
McMichael's Spring Creek	“	5,000
Hay Creek	“	10,000
River Lynn	“	5,000
Coal Creek	Northumberland	10,000
Spring Valley Pond	“	11,000
Break-a-way Creek	“	10,000
Baltimore Creek	“	5,000
Miller's Creek	“	5,000
Little Cole Creek	“	10,000
Proctor's Creek	“	10,000
Owen's Creek	“	3,000
Stoney Creek	“	5,000
Cedar Creek	“	5,000
Tweedles Creek	“	3,000
Scriver's Creek	“	2,000
Madison's Creek	“	2,000
Jackson's Creek	“	10,000
Black's Creek	“	10,000
Gunter's Creek	“	1,000
Cole Creek	“	20,000
Piper Creek	“	10,000
Salern Canning Company's Creek	“	10,000
Bellamy's Creek	“	10,000
Burnley Stream	“	5,000
Spring Creeks	Ontario	10,000
Black Creek Pond	“	10,000
Creek fed by springs in vicinity of Uxbridge	“	1,000
Cold Springs Creek	Oxford	10,000

WATERS STOCKED

WITH QUANTITIES AND KINDS OF FISH PLANTED IN 1922—*Continued*

Speckled Trout Fry and Fingerlings

Water	County or District	Quantity
Ball Creek	Oxford	5,000
Venison Creek	"	5,000
Clear Lake	"	5,000
Three-Mile Lake	Parry Sound	5,000
Distress Creek	" "	5,000
Depot Creek	" "	5,000
Beggs Creek	" "	5,000
Round Lake Creek	" "	5,000
Trout Creek	Prince Edward	10,000
Ouse Creek	Peterborough	10,000
Plot's Creek	"	10,000
Cook's Creek	"	10,000
Sedgrick's Creek	"	10,000
Buchanan's Creek	"	10,000
Jack's Lake	"	10,000
Little Ouse	"	10,000
Moffatt Stream	Peel	2,000
Fountain at Listowel	Perth	75
Coldwater River	Simcoe	10,000
Vent's Creek	"	5,000
McDonald's Creek	"	5,000
Sturgeon River	"	10,000
Mad Creek	" and Grey	5,000
Noisy Creek	" " "	5,000
Pretty Rivers	" " "	5,000
Avon Creek	"	10,000
Taffy Creek	"	10,000
Moon Creek	"	10,000
Silver Creek	" and Grey	5,000
Clear Lake	Sudbury	2,500
Crabb Lake	"	2,500
Hanmer Creek	"	10,000
Massay Creek	"	10,000
Norman Geneva Creek	"	10,000
Trout Creek	"	10,000
Onoping River	"	10,000
Lost Lake	"	5,000
Allen Lake	Thunder Bay	10,000
McKenzie River	" "	10,000
Lake Wideman	" "	10,000
Lower Twin Lake	" "	10,000
Loon Lake	" "	10,000
Corbett's Creek	" "	10,000
Slate River	" "	10,000
Pine River	" "	10,000
Cedar Creek	" "	10,000
Neebing River	" "	10,000
Oliver Lake	" "	10,000
Brulu Creek	" "	10,000
Steel River	" "	10,000
Nipigon River	" "	27,500
Duck Lake	" "	5,000
Charlotte Lake	" "	5,000
Big Duck Lake	" "	5,000
Whitefish River	" "	10,000
Stewart Lake	" "	10,000
Fraser Creek	" "	10,000
Gravel River	" "	10,000
Spring Creek	" "	5,000
Gravel Lake	" "	5,000
Castle Lake	" "	5,000
Clearwater Lake	" "	15,000
Deception Lake	" "	10,000
Bula Lake	" "	5,000
Sprint Creek	Timiskaming	10,000

WATERS STOCKED

WITH QUANTITIES AND KINDS OF FISH PLANTED IN 1922—*Continued*

Speckled Trout Fry and Fingerlings

Water	County or District	Quantity
Dixon Creek	Timiskaming	20,000
Latour	“	20,000
Martin's Spring Creek	Victoria	5,000
Mill Creek	Waterloo	20,000
Reist's Creek	“	2,000
Groff's Creek	“	2,000
McNally's Creek	“	10,000
Alder Creek	“	10,000
Jantze's Creek	“	10,000
Cedar Creek	“	11,000
Boschardt Creek	“	10,000
Cressman Creek	“	10,000
Gingerich Creek	“	10,000
Bomberg Creek	“	10,000
Brubacher's Creek	“	5,000
Sunfish Creek	“	2,000
Millgrave Creek	Wentworth	20,000
Grindstone Creek	“	10,000
Beverley Creek	“	20,000
Streams in Township of Flamboro	“	20,000
Dundas Creek	“	20,000
Rathsay Creek	Wellington	10,000
Branch of Maitland River	“	1,000
Credit River	“	10,000
Pelham Spring Creek	Welland	10,000
Spring Creek	York	1,000
Total		2,184,075

Salmon Trout Fry and Fingerlings

Waters	County or District	Quantity
Long Lake	Algoma	45,000
Lake Superior	“	610,000
North Channel	“	2,000,000
Lake LaCloche	“	20,000
Mud Lake	“	10,000
Clear Lake	“	30,000
Moose Lake	“	10,000
Lake Elizabeth	“	20,000
Lake Maud	“	20,000
McCarroll's Lake	“	10,000
Cloudy Lake	“	10,000
Dyment Lake	“	10,000
Little Trout Lake	“	20,000
Desbarats Lake	“	20,000
Matintinde Lake	“	20,000
Mitchell Lake	“	20,000
Island Lake	“	45,000
Lake Louzon	“	20,000
Chiblaw Lake	“	20,000
Nettleton Lake	“	20,000
Heyden Lake	“	20,000
Rock Lake	“	20,000
Root River	“	20,000
Lonely Lake	“	20,000
Lake Ann	“	10,000
Haynes Lake	“	10,000
Canoe Lake	“	10,000
Sand Lake	“	20,000
Cooley Pond	Brant	10,000
Gould Lake	Frontenac	15,000
Eagle Lake	“	25,000
Trout Lake	“	25,000

WATERS STOCKED

WITH QUANTITIES AND KINDS OF FISH PLANTED IN 1922—*Continued*

Salmon Trout Fry and Fingerlings

Waters	Country or District	Quantity
Drag Lake	Haliburton	10,000
Blue Hawk Lake	"	20,000
Gull Lake	"	10,000
Hurricane Lake	"	10,000
Delfiece Lake	"	10,000
Westlemkoon Lake	Hastings	10,000
Horseshoe Lake	"	15,000
Eagle Lake	"	15,000
Salmon Lake	"	15,000
Dickie's Lake	"	15,000
Jamerson Lake	"	15,000
Gull Lake	"	15,000
Bass Lake	"	10,000
Mannitaki Lake	Kenora	100,000
Armstrong Lake	"	50,000
Agenak Lake	"	100,000
Pelican Lake	"	100,000
Silver Lake	Lanark	10,000
Pike Lake	"	10,000
Charleston Lake	Leeds	50,000
Rideau Lakes	"	50,000
Red Horse Lake	"	15,000
Loyada Lake	"	5,000
Temperance Lake	"	5,000
Lake of Bays	Muskoka	60,000
Lake Vernon	"	10,000
Fairy Lake	"	10,000
Mary Lake	"	10,000
Peninsular Lake	"	10,000
Oxtongue Lake	"	10,000
Bass Lake	"	10,000
Tooke's Lake	"	10,000
Pine Lake	"	10,000
Fox Lake	"	10,000
Cache Lake, "Algonquin Park"	Nipissing	50,000
Four Mile Lake	"	20,000
Trout Lake	"	30,000
Clear Lake	"	10,000
Rainy Lake, "Algonquin Park"	"	100,000
Brule Lake, " "	"	100,000
Canoe Lake " "	"	100,000
Joe Lake, " "	"	100,000
Source Lake, " "	"	50,000
Beaver Lake	"	20,000
Whitefish Lake	Parry Sound	10,000
Magnetawan River	" "	10,000
Shanty Lake	" "	10,000
Horseshoe Lake	" "	20,000
Sand Lake	" "	10,000
Horne Lake	" "	10,000
Rock Lake	" "	10,000
Braye Lake	" "	10,000
Eagle Lake	" "	10,000
Lake Bernard	" "	10,000
Trout Lake	" "	10,000
Stoney Lake	Peterborough	5,000
Clear Lake	"	5,000
Catchacoma Lake	"	10,000
Gull Lake	"	10,000
Elbow Lake	Rainy River	50,000
Baril Lake	" "	50,000
Rainy Lake	" "	100,000
Mink Lake	" "	50,000
Mink Lake	Renfrew	20,000
Muskrat Lake	"	20,000

WATERS STOCKED

WITH QUANTITIES AND KINDS OF FISH PLANTED IN 1922—*Continued*

Salmon Trout Fry and Fingerlings

Waters	County or District	Quantity
Barry's Bay	Renfrew	5,000
Kemiskeg Lakes	“	5,000
Lake Simcoe	Simcoe	1,000,000
Hardwood Lake	Sudbury	30,000
Ella Lake	“	25,000
Trout Lake	“	25,000
Ramsay Lake	“	25,000
Bushy Lake	“	20,000
Red Pine Lake	“	20,000
East Fox Lake	“	5,000
Lake Nipigon	Thunder Bay	810,000
Kashabowie Lake	“ “	100,000
Lake Shebandawan	“ “	100,000
Long Lake	“ “	100,000
Little Long Lake	“ “	50,000
Arrow Lake	“ “	100,000
Lake Hellen	“ “	200,000
Windigo Lake	“ “	50,000
Hazel Lake	“ “	5,000
Lake Sesekinika	Timiskaming	20,000
Wealthy Lakes	“	30,000
Lake Timiskaming	“	30,000
Anima Nipissing Lake	“	20,000
Little Trout Lake	“	10,000
Golden Lake	“	10,000
Total		7,815,000

Pickerel

Waters	County or District	Quantity
Varty Lake	Addington	15,0000
Napanee River	“	50,000
Sheldrake Lake	“	50,000
Loon Lake	“	50,000
Beaver Lake	“	100,000
Peters Pond	“	100,000
Pearl Lake	Brant	50,000
Grand River	“	500,000
Lake Chesley	Bruce	50,000
Rice Lake	Durham	400,000
Lake Ontario	“	1,000,000
Loborough Lake	Frontenac	100,000
Sydenham Lake	“	100,000
Chippego Lake	“	100,000
Fish Lake	“	100,000
Devil Lake	“	100,000
Big Clear Lake	“	100,000
Salt Lake	“	25,000
Wickware Lake	“	25,000
Drysdale's Lake	“	25,000
Stony Lake	“	25,000
Knolton Lake	“	100,000
Fifth Depot Lake	“	100,000
Buck Lake	“	100,000
Wolf Lake	“	100,000
Lake St. Frances	Glengarry	100,000
Cocklong Lake	Haliburton	100,000
Lake Ontario	Halton	2,000,000
Stoco Lake	Hastings	100,000
Twin Lake	“	25,000
Crow Lake	“	50,000
Oak Hill Lake	“	100,000
Moira River	“	100,000
Beaver Creek	“	25,000

WATERS STOCKED

WITH QUANTITIES AND KINDS OF FISH PLANTED IN 1922—*Continued*

Pickerel

Waters	County or District	Quantity
Burnt Lake	Hastings	100,000
Grand River	Haldimand	250,000
Thames River	Kent	200,000
Christie Lake	Lanark	50,000
Mississippi River	“	100,000
Robertson's Lake	“	100,000
Patterson Lake	“	50,000
Charleston Lake	Leeds	350,000
Rideau Lakes	“	100,000
Killenback Lake	“	100,000
Higley Lake	“	100,000
Bass Lake	“	10,000
Lower Beverly Lake	“	100,000
Little Lake	“	150,000
Indian Lake	“	100,000
Lake Ontario	Lincoln	100,000
Lake Joseph	Muskoka	1,000,000
Lake of Bays	“	500,000
Wood Lake	“	50,000
Prospect Lake	“	50,000
Lake Rosseau	“	1,000,000
Lake Muskoka	“	1,000,000
Sparrow Lake	“	1,000,000
Long Lake	“	50,000
Axe Lake	“	50,000
Buck Lake	“	100,000
Watagon Lake	“	100,000
Maenhood Lake	“	100,000
Toronto Lake No. 1	“	50,000
Toronto Lake No. 2	“	50,000
Leach Lake	“	50,000
Cache Lake, "Algonquin Park"	Nipissing	50,000
Lake Erie	Norfolk	23,000,000
Crow Bay	“	50,000
Trent River	Northumberland	50,000
Cold Creek	“	100,000
Lake Ontario	Ontario	1,000,000
Mill Pond	Oxford	50,000
Harris Lake	Parry Sound	50,000
Magnetawan River	“ “	50,000
Ahmic Lake	“ “	50,000
Commenda Lake	“ “	50,000
Maple Lake	“ “	50,000
Star Lake	“ “	50,000
Pickerel Lake	“ “	50,000
Cecebe Lake	“ “	50,000
Indian River	Peterborough	100,000
Pigeon Lake	“	200,000
Buckhorn Lake	“	200,000
Stoney Lake	“	400,000
Oak Lake	“	50,000
Lake Ontario	Peel	1,000,000
Lake Dore	Renfrew	50,000
Muskrat Lake	“	50,000
Chain Lake	“	50,000
Barry's Bay	“	25,000
Kemiskeg Lakes	“	25,000
Golden Lake	“	50,000
White Lake	“	50,000
Lake Couchiching	Simcoe	500,000
Lake Simcoe	“	500,000
Bushy Lake	Sudbury	50,000
Red Pine Lake	“	50,000
Twin Lake	“	50,000
French River	“	50,000

WATERS STOCKED
WITH QUANTITIES AND KINDS OF FISH PLANTED IN 1922—*Continued*

Pickerel

Waters	County or District	Quantity
Apsey Lake	Sudbury	50,000
Anima Nipissing Lake	Temiskaming	100,000
Sturgeon Lake	Victoria	200,000
Balsam Lake	“	200,000
Mud Lake	“	100,000
Waterloo Dam	Waterloo	50,000
Grand River	“	100,000
Lake Ontario	Wentworth	1,000,000
Hamilton Bay	“	100,000
Puslinch Lake	Wellington	100,000
Gibson Lake	Welland	50,000
Total		43,510,000

Whitefish

Waters	County or District	Quantity
Lake Superior	Algoma	46,275,000
North Channel	“	24,000,000
Lake Ontario	Durham	2,000,000
Lake Ontario	Halton	4,000,000
Lake Wabigoon	Kenora	2,000,000
Eagle Lake	“	2,000,000
Lake Ontario	Lincoln	2,000,000
Lake Erie	Norfolk	74,000,000
Lake Ontario	Northumberland	2,000,000
Lake Ontario	Ontario	2,000,000
Lake Ontario	Peel	2,000,000
Elbow Lake	Rainy River	500,000
Rainy Lake	“ “	2,000,000
Little Turtle Lake	“ “	500,000
Mink Lake	“ “	500,000
Lake Nipigon	Thunder Bay	10,000,000
Kashabowie Lake	“ “	1,000,000
Lake Shebandawan	“ “	2,000,000
Long Lake	“ “	1,000,000
Whitefish Lake	“ “	2,000,000
Little Long Lake	“ “	500,000
Arrow Lake	“ “	2,000,000
Lake Hellen	“ “	1,000,000
Windigo Lake	“ “	500,000
Lake Ontario	Wentworth	4,000,000
Total		189,775,000

Herring

Waters	County or District	Quantity
Lake Erie	Norfolk	18,250,000
Lake Ontario	Durham	2,000,000
Lake Ontario	Halton	4,000,000
Lake Ontario	Wentworth	2,000,000
Total		26,250,000

Rainbow Trout

Waters	County or District	Quantity
Sault Ste. Marie Rapids	Algoma	14,550
Colpoy's Creek	Bruce	1,000
Eagle Lake	Frontenac	1,000
Glecian River	Grey	1,000
Trout Lake	Parry Sound	1,000
Sturgeon Lake	Victoria	1,000
Lake Simcoe	Simcoe	1,200
Riverdale Park, Toronto	York	250
Total		21,000

WATERS STOCKED

WITH QUANTITIES AND KINDS OF FISH PLANTED IN 1922—*Continued*

Steel Head Salmon

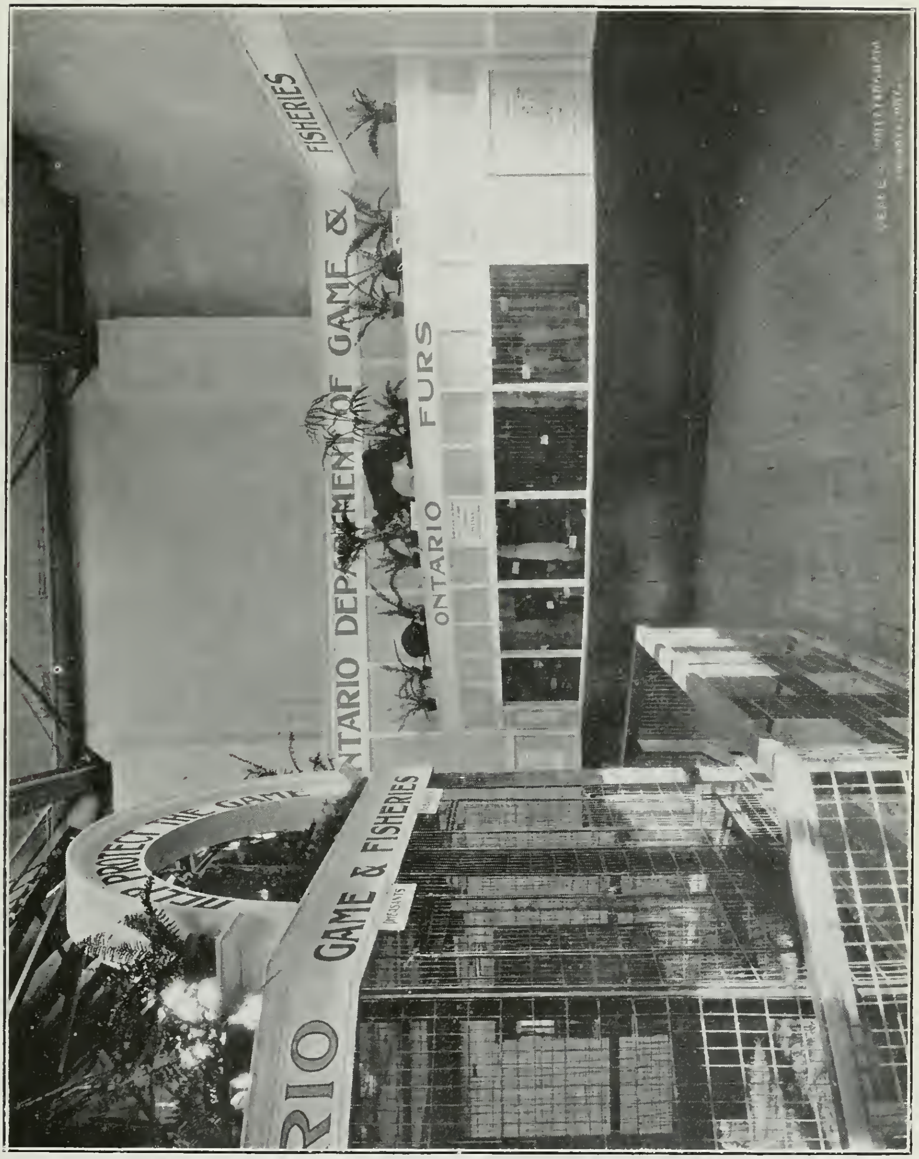
Waters	County or District	Quantity
Lake Simcoe	Simcoe	5,300

SUMMARY

Black Bass Fry and Fingerlings	613,500
Parent Black Bass	937
Speckled Trout Fry and Fingerlings	2,184,075
Salmon Trout Fry and Fingerlings	7,815,000
Pickerel	43,510,000
Whitefish	189,775,000
Herring	26,250,000
Rainbow Trout	21,000
Steel Head Salmon	5,300
Total distribution	270,174,812

COMPARATIVE STATEMENT OF DISTRIBUTION

	1921	1922
Black Bass Fry and Fingerlings	773,500	613,500
Parent Black Bass	742	937
Speckled Trout Fry and Fingerlings	1,147,500	2,184,075
Salmon Trout Fry and Fingerlings	110,400	7,815,000
Pickerel	27,625,000	43,510,000
Whitefish	115,950,000	189,775,000
Herring	9,740,000	26,250,000
Rainbow Trout	....	21,000
Steel Head Salmon	....	5,300
	155,347,142	270,174,812



PORTION OF EXHIBIT AT C. N. E., TORONTO

ONTARIO

Return of the number of fishermen, tonnage and value of tugs, vessels and boats, the industry during the year 1922, in the Public

	Districts	Fishing material												
		Tugs				Gasoline Launches			Sail or Row Boats			Gill-Nets	
		No.	Tonnage	Value	Men	No.	Value	Men	No.	Value	Men	Yards	Value
	Kenora and Rainy River.			$			$			$			$
1	Lake of the Woods........	4	75	11,200	9	45	17,425	57	48	3,548	19	78,361	11,785
2	Rainy Lake...............	....	......	....	....	29	11,650	45	22	970	10	43,210	7,888
3	Namicon, Despair, Jack Fish, Clearwater, Loon and Pipestone Lakes.........	....	......	....	....	2	1,200	2	9	525	17	20,000	4,150
4	Vista, Six Mile, Kairston, Yoke and Shoal Lakes...	1	13	1,200	2	4	2,650	7	2	80	5	15,500	2,490
5	Little Turtle, Pickerel, Trout, White Otter, Elbow and Nora Lakes.............	....	......	....	....	2	500	4	2	70	5	11,000	1,688
6	Basket, Indian, Skikog, Sturgeon, McKenzie and Stanghikina Lakes.......	....	......	....	....	2	450	1	4	180	8	6,127	994
7	Vermilion, Manitakie, Sandy, Feegan and Lost Lakes...	....	......	....	....	4	1,500	6	2	226	2	13,100	2,425
8	Manitou, Gull, Eagle, Obabicon and Wabigoon Lakes..................	....	......	....	....	10	3,950	12	4	115	2	15,700	3,098
9	Rock, Deer, One Man, and Lac Seul Lakes..........	2	27	8,000	5	8	4,800	18	4	115	3	29,150	3,660
10	Perrault, Keyes, Shoal, Winnange and Black Sturgeon Lakes..................	....	......	....	....	1	250	1	3	125	4	5,000	1,200
	Totals...............	7	115	20,400	16	107	44,375	153	100	5,954	75	237,148	39,378

Return of the kinds, quantities and values of fish caught

	Districts	Herring, salted	Herring, fresh	Whitefish, salted	Whitefish, fresh	Trout, salted	Trout, fresh	Pike	Pickerel, or Dore
	Kenora and Rainy River	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
1	Lake of the Woods......	....	....	....	116,855	....	12,431	202,105	466,521
2	Rainy Lake..............	....	....	....	66,126	....	145	157,898	154,836
3	Namicon, Despair, Jack Fish, Clearwater, Loon, and Pipestone Lakes...	....	....	....	32,628	....	23,581	24,474	31,977
4	Vista, Six Mile, Kairston, Yoke and Shoal Lakes .	....	....	....	76,990	....	6,988	13,205	92,233
5	Little Turtle, Pickerel, Trout, White Otter, Elbow, and Nora Lakes.	....	....	....	8,499	....	10,599	9,500	17,374
6	Basket, Indian, Skikog, Sturgeon, McKenzie, and Stanghikina Lakes.	....	....	....	20,025	....	5,104	7,706	18,049
7	Vermilion, Manitakie, Sandy, Feegan and Lost Lakes........	....	....	....	41,094	....	14,686	17,987	45,192
8	Manitou, Gull, Eagle, Obabicon and Wabigoon Lakes..........	....	....	....	47,237	....	8,351	26,190	56,246
9	Rock, Deer, One Man, and Lac Seul Lakes........	....	....	....	177,276	....	203	28,910	159,116
10	Perrault, Keyes, Shoal, Winnange and Black Sturgeon Lakes.......	....	....	....	3,519	....	5,695	385	57
	Totals............	....	....	....	590,249	....	87,783	488,360	1,041,601
		$ c.	$ c.	c.	$ c.	$ c.	$ c.	$ c.	$ c.
	Values............	....	....	....	70,829 88	....	9,656 13	24,418 00	145,824 14

FISHERIES.

quantity and value of all fishing materials and other fixtures employed in the fishing Waters of Kenora and Rainy River Districts.

Fishing material																Other fixtures used in fishing.			
Seines			Pound Nets		Hoop Nets		Dip or Roll Nets		Night Lines		Spears					Freezers and Ice Houses		Piers and Wharves	
No.	Yards	Value	No.	Value	No.	Value	No.	Value	No. Hooks	Value	No.	Value				No.	Value	No	Value
		$		$		$		$		$		$					$		$
....	....	....	32	8,000	46	1,442	....	....	....	....	....	....				36	11,045	34	7,890
....	....	....	22	8,800	....	....	....	....	....	....	....	....				22	5,075	5	675
....	....	....	5	1,000	....	....	....	....	....	....	....	....				1	150	....	....
....	....	....	....	....	....	....	....	....	....	....	....	....				3	2,200	3	450
....	....	....	....	....	....	....	....	....	....	....	....	....				3	450	2	130
....	....	....	....	....	....	....	....	....	....	....	....	....				3	300	7	170
....	....	....	....	....	....	....	....	....	....	....	....	....				7	1,300	4	120
....	....	....	....	....	....	....	....	....	....	....	....	....				9	1,700	8	1,350
....	....	....	2	1,000	....	....	....	....	....	....	....	....				13	5,100	10	1,425
....	....	....	....	....	....	....	....	....	....	....	....	....				1	50	1	45
....	....	....	61	18,800	46	1,442	....	....	....	....	....	....				98	27,370	74	12,255

during the year 1922, in the Public Waters of Kenora and Rainy River Districts.

Sturgeon	Eels	Perch	Tullibee	Catfish	Carp	Mixed and coarse fish	Caviare	Sturgeon Bladders	Pickerel (Blue)	Value
lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	No.	lbs.	$ c.
1,051	....	245	43,722	....	....	78,090	....	....	....	96,476 98
741	....	14,527	77,402	....	2,640	53,198	12	....	1,800	44,688 71
1,092	....	....	3,860	....	....	1,051	15	....	1,800	12,901 15
....	....	....	....	....	....	11,139	....	....	....	24,025 91
485	....	448	213	....	....	4,800	9	....	....	5,492 63
....	....	....	145	....	....	....	....	....	....	5,883 85
....	....	....	4,500	....	....	....	....	....	....	13,997 97
....	....	....	848	....	....	....	....	....	....	15,813 39
800	....	....	84	....	....	236	100	....	....	45,154 83
....	....	....	....	....	....	....	....	....	....	1,075 96
4,169	....	15,220	130,774	....	2,640	148,514	136	....	3,600	....
$ c. 1,375 77	$ c.	$ c. 761 00	$ c. 6,538 70	$ c.	$ c. 105 60	$ c. 5,940 56	$ c. 217 60	$	$ c. 144 00	$ c. 265,811 38

ONTARIO

Return of the number of fishermen, tonnage and value of tugs, vessels and boats, fishing industry during the year 1922, in

Districts	Fishing material											
	Tugs				Gasoline Launches			Sail or Row Boats			Gill-Nets	
	No.	Tonnage	Value	Men	No.	Value	Men	No.	Value	Men	Yards	Value
Lake Superior			$			$			$			$
1 Pigeon River to Sturgeon Point and Whitefish Lake	....	.....	....	....	2	300	4	13	670	23	10,340	1,635
2 Thunder Bay	5	138	13,000	45	6	2,350	12	9	640	14	203,900	14,189
3 Black Bay, Point Magnet, Welcome Islands	1	42	6,500	4	9	3,675	19	5	360	6	50,700	4,887
4 Crayfish, Arrow, North Kashabowie Lakes	....	.....	....	....	....	....	.....	4	110	4	2,600	350
5 Rossport, Wilson, Evelyn, Lamb and Shaganash Islands	3	13	9,000	6	12	4,650	12	5	395	5	100,400	10,695
6 Jack Fish and Port Caldwell	1	44	5,000	5	2	475	2	5	600	6	58,250	7,000
7 Beatty, Partridge, Eskaganaga and Wawong Lakes	....	.....	....	....	1	250	3	3	140	5	6,450	905
8 Lake Nipigon	7	164	28,000	44	5	9,400	12	2	100	.....	97,000	11,750
9 Michipicoten to Coppermine Pts. and Oba Lake	2	65	9,500	14	4	2,675	9	13	1,515	21	153,400	21,940
10 Batchawana to Gros Cap	2	40	10,000	8	9	5,050	21	9	1,380	16	27,160	2,117
Totals	21	536	81,000	126	50	28,825	94	68	5,910	100	710,200	75,468

Return of the kinds, quantities and values of fish caught

Districts	Herring, salted	Herring, fresh	Whitefish, salted	Whitefish fresh	Trout, salted	Trout, fresh	Pike	Pickerel, or Dore
Lake Superior.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
1 Pigeon River to Sturgeon Pt. and Whitefish Lake	....	1,000	....	24,495	6,235	20,000	540	....
2 Thunder Bay	27,500	518,770	....	45,619	1,020	290,981	696	6,332
3 Black Bay, Point Magnet and Welcome Islands	....	52,265	....	43,908	68	51,395	4,316	50,251
4 Crayfish, Arrow, North, and Kashabowie Lakes	....	....	100	2,609	....	1,771	1,075	....
5 Rossport, Wilson, Evelyn, Lamb and Shaganash Islands	....	100	....	44,747	2,150	393,614	4,204	17,468
6 Jackfish and Port Caldwell	....	....	....	10,795	200	232,883	....	4,024
7 Beatty, Partridge, Wawong, and Eskaganaga Lakes	....	....	740	10,626	850	6,802	5,326	8,509
8 Lake Nipigon	....	....	....	897,500	....	389,035	8,265	62,440
9 Michipicoten to Coppermine Points and Oba Lakes	....	....	....	55,652	1,200	376,257	3,896	1,199
10 Batchawana to Gros Cap	....	4,930	....	62,149	....	109,583	1,980	13,969
Totals	27,500	577,065	840	1,198,100	11,723	1,872,321	30,298	164,192
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Values	1,650 00	23,082 60	100 80	143,772 00	1,289 53	205,955 31	1,514 90	22,986 88

FISHERIES.

the quantity and value of all fishing materials and other fixtures employed in the the Public Waters of Lake Superior.

Fishing material														Other fixtures used in fishing			
Seines			Pound Nets		Hoop Nets		Dip or Roll Nets		Night Lines		Spears			Freezers and Ice Houses		Piers and Wharves	
No.	Yards	Value	No.	Value	No.	Value	No.	Value	No. Hooks	Value	No.	Value		No.	Value	No.	Value
		$		$		$		$		$		$			$		$
....	......	.....	....	......	....	......	...	.....	....	......	......	....		1	295	...	......
....	......	.....	3	1,300	....	......	...	.....	....	......	......	....		2	2,100	4	1,900
....	......	.....	6	4.100	....	......	...	.....	....	......	......	....		2	1,600	2	600
....	......	.....	....	......	....	......	...	.....	....	......	......	....		4	1,180	1	20
....	......	.....	17	4,400	....	......	...	.....	....	......	......	....		1	700	2	300
....	......	.....	7	1,850	....	......	...	.....	....	......	......	....		4	2,150	3	800
....	......	.....	....	......	....	......	...	.....	....	......	......	....		3	300	1	50
....	......	.....	....	......	....	......	...	.....	....	......	......	....		...	......	...	......
....	......	.....	....	......	....	......	...	.....	3,000	500	......	....		4	2,000	2	500
....	......	.....	20	9,100	....	......	...	.....	6,000	375	......	....		5	2,250	3	3,625
....	......	.....	53	20,750	....	......	...	.....	9.000	875		....		26	12,575	18	7,795

during the year 1922, in the Public Waters of Lake Superior.

Sturgeon	Eels	Perch	Tullibee	Catfish	Carp	Mixed and coarse fish	Caviare	Sturgeon Bladders	Pickerel (Blue)	Value
lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	No.	lbs.	$ c.
....	....	....	....	....	....	34.608	....	....	200	7,284 57
....	....	....	....	....	....	3,134	....	....	....	61,041 83
....	....	....	....	....	....	34.055	....	....	....	21,633 63
....	....	....	78	....	....	3,600	....	....	....	721 5
316	....	162	....	....	2,290	1,989	....	....	50	51,848 94
2,724	....	....	....	....	....	....	....	....	....	28,396 81
....	....	....	....	....	....	3,080	....	....	....	3,786 40
13,086	....	....	....	....	....	....	....	....	....	163,967 08
....	....	....	....	....	....	1,819	....	....	....	48,633 93
6,939	....	....	....	....	4,897	31,087	86	....	....	25.630 70
23,065	....	162	78	....	7,187	113,372	86	....	250	....
$ c. 7,611 45	$ c.	$ c. 8 10	$ c. 3 90	$ c.	$ c. 287 48	$ c. 4,534 88	$ c. 137 60	$	$ c. 10 00	$ c. 412,945 43

ONTARIO

Return of the number of fishermen, tonnage and value of tugs, vessels and boats, fishing industry during the year 1922, in the

	Districts	Fishing material											
		Tugs				Gasoline Launches			Sail or Row Boats			Gill-Nets	
		No.	Tonnage	Value	Men	No.	Value	Men	No.	Value	Men	Yards	Value
	Lake Huron (North Channel)			$			$			$			$
1	Bruce Mines, Lake George, St. Joseph's Island	....	.....	....	....	5	1,950	10	8	290	13	13,700	1,000
2	Thessalon, Cummings Lake, Mud and Blind Rivers	....	.....	....	....	12	7,400	27	16	3,320	12	42,020	3,825
3	Algoma Mills, Spragge and Cutler	....	.....	....	....	1	250	2	8	1,160	14	11,140	1,132
4	Spanish River and Bay of Islands	1	18	7,000	6	8	2,500	16	15	1,065	16	16,100	2,140
5	Bear, Whisky, Pecard and Oba Lakes	....	.....	....	....	....	....	.....	3	80	5	7,100	815
6	Little Current, Shiquindah and Manitowaning Bays	....	.....	....	....	10	7,600	19	12	760	11	9,100	985
7	Kagawong, Gore Bay and Mindemoya	3	83	19,000	13	....	....	.....	10	798	14	90,700	10,025
8	Meldrum Bay, Cockburn Island	4	123	20,000	20	4	2,850	8	1	50	2	95,990	17,785
	Totals	8	224	46,000	39	40	22,550	82	73	7,523	87	285,760	37,707

Return of the kinds, quantities and values of fish caught during

	Districts	Herring, salted	Herring, fresh	Whitefish, salted	Whitefish, fresh	Trout, salted	Trout, fresh	Pike	Pickerel, or Dore
	Lake Huron (North Channel.)	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
1	Bruce Mines, Lake George St. Joseph's Island	....	310	200	2,937	....	16,433	20,444	5,727
2	Thessalon, Cummings Lake, Mud and Blind Rivers	....	7,054	750	92,895	5,188	132,094	8,299	35,971
3	Algoma Mills, Spragge and Cutler	1,000	2,064	....	2,748	....	11,083	12,580	1,645
4	Spanish River and Bay of Islands	....	8,188	....	3,942	....	15,110	19,540	53,809
5	Bear, Whisky, Pecard and Oba Lakes	....	....	....	1,776	....	1,673	2,212	5,286
6	Little Current, Shiquindah Manitowaning Bays	....	....	....	60,956	....	35,889	34,446	60,326
7	Kagawong, Gore Bay, Mindemoya	....	575	200	45,415	450	56,224	6,444	1,540
8	Meldrum Bay, Cockburn Island	....	....	....	42,459	....	379,448	193	8
	Totals	1,000	18,191	1,150	253,128	5,638	647,954	104,158	164,312
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
	Values	60 00	727 64	138 00	30,375 36	620 18	71,274 94	5,207 90	23,003 68

FISHERIES.

the quantity and value of all fishing materials and other fixtures employed in the Public Waters of Lake Huron (North Channel).

Fishing material															Other fixtures used in fishing.			
Seines			Pound Nets		Hoop Nets		Dip or Roll Nets		Night Lines		Spears		Freezers and Ice Houses		Piers and Wharves			
No.	Yards	Value	No.	Value	No.	Value	No.	Value	No. Hooks	Value	No.	Value	No.	Value	No	Value		
		$		$		$		$		$		$		$		$		
....	....	......	6	1,700	8	605	....	......	......	......	....	.....	7	895	3	300		
....	....	.....	46	21,810	.....	......	....	......	......	......	....	.....	7	5,100	6	6,400		
....	....	.....	....	....	12	1,075	....	......	......	......	....	.....	5	875	....	....		
....	....	......	28	10,500	.....	......	....	......	......	......	....	.....	11	1,770	4	2,525		
....	....	......	....	....	.....	......	....	......	......	......	....	.....	....	....	....	....		
....	....	......	30	19,700	.....	......	....	......	......	......	....	.....	8	4,400	15	2,250		
....	....	......	9	3,600	.....	......	....	......	......	......	....	.....	4	1,025	3	3,200		
....	....	......	10	10,000	.....	......	....	......	2,000	105	....	.....	3	775	3	2,050		
....	....	......	129	67,310	20	1,680	....	......	2,000	105	....	.....	45	14,840	34	16,725		

the year 1922, in the Public Waters of (North Channel), Lake Huron.

Sturgeon	Eels	Perch	Tullibee	Catfish	Carp	Mixed and coarse fish	Caviare	Sturgeon Bladders	Pickerel (Blue)	Value
lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	No.	lbs.	$ c.
530	....	2,840	....	40	5,350	53,766	....	....	....	6,704 79
3,222	....	489	....	....	9,793	142,218	37	....	....	39,298 82
....	....	1,234	....	....	....	33,581	....	....	....	3,955 69
3,783	....	5,378	....	....	532	57,295	17	....	....	14,830 49
....	....	....	....	....	....	4,081	....	....	....	1,411 03
3,264	....	3,076	....	48	44	58,934	10	....	....	25,039 85
2,004	....	6,193	....	....	640	50,770	....	....	....	15,296 11
....	....	....	....	....	....	....	....	....	....	46,845 13
12,803	....	19,210	....	88	16,359	400,645	64	....	....	....
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$	$ c.	$ c.
4,224 99	....	960 50	....	6 16	654 36	16,025 80	102 40	....	....	153,381 91

ONTARIO

Return of the number of fishermen, tonnage and value of tugs, vessels and boats, fishing industry during the year 1922,

	Districts	Fishing material											
		Tugs				Gasoline Launches			Sail or Row Boats			Gill-Nets	
		No.	Tonnage	Value	Men	No.	Value	Men	No.	Value	Men	Yards	Value
	Georgian Bay			$			$			$			$
1	Parry Sound..............	6	177	39,000	31	18	19,200	41	21	4,255	34	451,120	44,805
2	Simcoe and Muskoka......	1	30	2,000	5	11	4,593	17	33	2,540	49	145,300	14,123
3	Grey County.............	6	161	30,600	27	24	33,150	58	10	560	10	251,120	23,380
4	Bruce County.............	1	20	6,000	4	19	16,750	41	23	1,005	26	84,120	7,295
5	Manitoulin Isld., East Side	7	169	49,000	39	27	27,050	49	13	1,290	10	296,874	33,414
	Totals..............	21	557	126,600	106	99	100,743	206	100	9,650	129	1,228,534	123,017

Return of the kinds, quantities and values of fish caught during

	Districts	Herring, salted	Herring, fresh	Whitefish, salted	Whitefish fresh	Trout, salted	Trout, fresh	Pike	Pickerel, or Dore
	Georgian Bay	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
1	Parry Sound............	....	5,729	108	505,717	1,000	234,039	57,364	92,065
2	Simcoe and Muskoka...	1,300	29,369	200	36,818	900	103,506	19,702	12,409
3	Grey County...........	....	17,800	200	10,386	4,950	359,994	....	....
4	Bruce County...........	....	20,948	....	12,546	3,400	291,878	....	198
5	Manitoulin Island, East side.................	....	....	....	503,137	....	445,414	30,596	16,920
	Totals............	1,300	73,846	508	1,068,604	10,250	1,434,831	107,662	121,592
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
	Values............	78 00	2,953 84	60 96	128,232 48	1,127 50	157,831 41	5,383 10	17,022 88

FISHERIES.

the quantity and value of all fishing materials and other fixtures employed in the
in the Public Waters of Georgian Bay.

Fishing material														Other fixtures used in fishing.			
Seines			Pound Nets		Hoop Nets		Dip or Roll Nets		Night Lines		Spears			Freezers and Ice Houses		Piers and Wharves	
No.	Yards	Value	No.	Value	No.	Value	No.	Value	No. Hooks	Value	No.	Value		No.	Value	No.	Value
		$		$		$		$		$		$			$		$
....	....	......	18	15,750	3	150	....	......	....	......	....	.....		8	6,025	9	7,950
7	1,030	1,058	....	....	47	1,016	....	......	3,900	140	....	.....		5	1,125	4	900
....	....	......	4	3,000	.....	......	....	......	13,800	1,425	....	.....		9	650	11	1,250
....	....	......	13	6,500	.....	......	....	......	8,700	1,350	....	.....		9	1,595	11	1,500
....	....	......	41	38,400	.....	......	....	......	6,200	840	....	.....		4	1,300	2	4,000
7	1,030	1,058	76	63,650	50	1,166	....	......	32,600	3,755	....	.....		35	10,695	37	15,600

the year 1922, in the Public Waters of Georgian Bay.

Sturgeon	Eels	Perch	Tullibee	Catfish	Carp	Mixed and coarse fish	Caviare	Sturgeon Bladders	Pickerel (Blue)	Value
lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	No.	lbs.	$ c.
1,147	....	34	706	....	500	21,786	....	....	....	103,846 70
1,922	....	1,953	....	5,361	49,942	55,521	334	....	....	25,762 04
....	....	....	3,370	....	....	....	....	....	....	42,294 66
43	....	....	49,089	....	....	400	....	....	....	37,336 38
387	....	160	21,862	....	....	10,048	....	....	....	114,901 31
3,499	....	2,147	75,027	5,361	50,442	87,755	334	....	....	....
$ c 1,154 67	$ c.	$ c. 107 35	$ c. 3,751 35	$ c. 375 27	$ c. 2,017 68	$ c. 3,510 20	$ c. 534 40	$	$ c.	$ c. 324,141 09

ONTARIO

Return of the number of fishermen, tonnage and value of tugs, vessels and boats, fishing industry during the year 1922,

	Districts	Fishing material											
		Tugs				Gasoline Launches			Sail or Row Boats			Gill-Nets	
		No.	Tonnage	Value	Men	No.	Value	Men	No.	Value	Men	Yards	Value
	Lake Huron (Proper)			$			$			$			$
1	Bruce County	5	143	20,000	28	20	15,290	48	5	625	7	410,300	40,769
2	Huron County	....	.....	....	....	14	10,575	32	2	70	38	80,335	8,477
3	Lambton County (including St. Clair River)	....	.....	....	....	15	6,575	30	21	750	28	....	....
4	Manitoulin Island	5	140	39,000	27	9	4,125	18	11	710	10	291,900	34,725
	Totals	10	283	59,000	55	58	36,565	128	39	2,155	83	782,535	83,971

Return of the kinds, quantities and values of fish caught

	Districts	Herring, salted	Herring, fresh	Whitefish, salted	Whitefish, fresh	Trout, salted	Trout, fresh	Pike	Pickerel, or Dore
	Lake Huron (Proper)	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
1	Bruce County	3,200	23,990	900	21,645	17,629	765,008	36	1,338
2	Huron County	100	16,068	....	5,349	1,000	95,719	....	15,057
3	Lambton County (including St. Clair River)	....	130,627	....	20,012	....	5,180	1,204	143,723
4	Manitoulin Island	....	6,486	....	20,205	2,175	820,544	3,844	181
	Totals	3,300	177,171	900	67,211	20,804	1,686,451	5,084	160,299
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
	Values	198 00	7,086 84	108 00	8,065 32	2,288 44	185,509 61	254 20	22,441 86

FISHERIES.

the quantity and value of all fishing materials and other fixtures employed in the in the Public Waters of Lake Huron (Proper).

Fishing material																Other fixtures used in fishing.			
Seines			Pound Nets		Hoop Nets		Dip or Roll Nets		Night Lines		Spears		Freezers and Ice Houses		Piers and Wharves				
No.	Yards	Value	No.	Value	No.	Value	No.	Value	No. Hooks	Value	No.	Value	No.	Value	No.	Value			
		$		$		$		$		$		$		$		$			
....	....	......	2	800	.....	......	1	5	3,000	240	....	.....	12	3,850	7	675			
1	30	15	10	3,000	.....	......	....	......	....	......	....	.....	10	1,425	9	350			
11	565	560	50	28,100	3	225	....	......	....	......	....	.....	8	1,075	2	175			
....	....	......	21	17,250	.....	......	....	......	....	......	....	.....	2	2,300	2	3,000			
12	595	575	83	49,150	3	225	1	5	3,000	240	....	.....	32	8,650	20	4,200			

during the year 1922, in the Public Waters of Lake Huron (Proper).

Sturgeon	Eels	Perch	Tullibee	Catfish	Carp	Mixed and coarse fish	Caviare	Sturgeon Bladders	Pickerel (Blue)	Value
lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	No.	lbs.	$ c.
131	....	6,828	129,903	....	....	1,450	....	....	....	97,073 97
1,155	....	113,846	400	105	....	29,838	30	....	....	21,379 99
9,135	....	5,428	....	1,150	3,140	73,302	604	....	10,969	36,207 03
30	....	225	1,205	....	....	9,074	....	....	....	93,845 03
10,451	....	126,327	131,508	1,255	3,140	113,664	634	....	10,969	....
$ c. 3,448 83	$ c.	$ c. 6,316 35	$ c. 6,575 40	$ c. 87 85	$ c. 125 60	$ c. 4,546 56	$ c. 1,014 40	$	$ c. 438 76	$ c. 248,506 02

ONTARIO

Return of the number of fishermen, tonnage and value of tugs, vessels and boats, the fishing industry during the year 1922,

	Districts	Fishing material												
		Tugs				Gasoline Launches			Sail or Row Boats			Gill-Nets	
		No.	Tonnage	Value	Men	No.	Value	Men	No.	Value	Men	Yards	Value
	Lake St. Clair			$			$			$			$
1	Kent County	....	....	....	....	29	13,995	50	45	2,825	82	....	....
2	Essex County	....	....	....	....	22	8,250	38	34	1,750	34	....	....
3	Detroit River	....	....	....	....	1	100	1	26	790	39	....	....
	Totals	....	....	....	....	52	22,345	89	105	5,365	155	....	....

Return of the kinds, quantities and values of fish caught

	Districts	Herring, salted	Herring, fresh	Whitefish, salted	Whitefish fresh	Trout, salted	Trout, fresh	Pike	Pickerel, or Dore
	Lake St. Clair	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
1	Kent County	....	....	....	....	....	....	13,335	30,029
2	Essex County	....	....	....	3,370	....	....	4,391	26,134
3	Detroit River	....	....	....	200	....	....	7,410	975
	Totals	....	....	....	3,570	....	....	25,136	57,138
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
	Values	....	....	....	428.40	....	....	1,256 80	7,999 32

FISHERIES.

quantity and value of all fishing materials and other fixtures employed in the in the Public Waters of Lake St. Clair.

Fishing material														Other fixtures used in fishing.			
Seines			Pound Nets		Hoop Nets		Dip or Roll Nets		Night Lines		Spears			Freezers and Ice Houses		Piers and Wharves	
No.	Yards	Value	No.	Value	No.	Value	No.	Value	No. Hooks	Value	No.	Value		No.	Value	No.	Value
		$		$		$		$		$		$			$		$
27	4,358	4,370	139	13,200	2	60	....	......	550	22	....	.....		25	13,560	25	4,020
6	1,310	935	86	10,725	.....	......	....	......	1,600	92	....	.....		17	8,915	7	2,675
25	2,971	1,858	.....	....	.....	......	....	......	300	5	....	.....		....	....	4	930
58	8,639	7,163	225	23,925	2	60	....	......	2,450	119	....	.....		42	22,475	36	7,625

during the year 1922, in the Public Waters of Lake St. Clair.

Sturgeon	Eels	Perch	Tullibee	Catfish	Carp	Mixed and coarse fish	Caviare	Sturgeon Bladders	Pickerel (Blue)	Value
lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	No.	lbs.	$ c.
200	....	59,165	....	18,126	228,461	287,437	....	....	....	29,799 80
7,119	....	33,370	....	13,233	50,872	115,750	296	....	....	16,365 27
850	....	3,650	....	480	33,933	58,290	....	....	2,400	4,812 52
8,169	....	96,185	....	31,839	313,266	461,477	296	....	2,400	....
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$	$ c.	$ c.
2,695 77	....	4,809 25	....	2,228 73	12,530 64	18,459 08	473 60	....	96 00	50,977 59

ONTARIO

Return of the number of fishermen, tonnage and value of tugs, vessels and boats, the fishing industry during the year 1922,

	Districts	Fishing material											
		Tugs				Gasoline Launches			Sail or Row Boats			Gill-Nets	
		No.	Tonnage	Value	Men	No.	Value	Men	No.	Value	Men	Yards	Value
	Lake Erie			$			$			$			$
1	Essex County	3	81	42,000	18	41	37,300	104	35	6,140	33	134,078	18,740
2	Kent County	2	50	14,000	16	52	40,300	132	29	3,405	23	92,500	11,990
3	Elgin County	20	675	166,108	131	21	14,100	82	22	1,033	27	567,050	77,610
4	Norfolk County	7	167	40,000	46	25	16,435	63	60	3,530	82	219,720	21,359
5	Haldimand County (including Grand River)	7	169	60,000	37	16	16,200	47	37	1,577	36	335,600	34,580
6	Welland County (including Upper Niagara River)	....	.....	....	....	3	1,450	6	21	755	29	13,800	1,455
	Totals	39	1,142	322,108	248	158	125,785	434	204	16,440	230	1,362,748	165,734

Return of the kinds, quantities and values of fish caught

	Districts	Herring, salted	Herring, fresh	Whitefish, salted	Whitefish, fresh	Trout, salted	Trout, fresh	Pike	Pickerel, or Dore
	Lake Erie	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
1	Essex County	....	40,595	454	168,516	....	4	609	132,519
2	Kent County	....	190,226	....	22,426	....	....	25,375	148,504
3	Elgin County	....	2,328,927	....	178,340	....	....	65,488	162,045
4	Norfolk County	....	2,079,149	....	50,908	....	321	41,928	11,172
5	Haldimand County (including Grand River)	....	1,636,166	....	326,458	....	201	1,101	47,998
6	Welland County (including Upper Niagara River)	....	31,255	....	4,622	....	....	9,235	2,832
	Totals	....	6,306,318	454	751,270	....	526	143,736	505,070
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
	Values	....	252,252 72	54 48	90,152 40	....	57 86	7,186 80	70,709 80

FISHERIES.

quantity and value of all fishing materials and other fixtures employed in the
in the Public Waters of Lake Erie.

Fishing material													Other fixtures used in fishing.			
Seines			Pound Nets		Hoop Nets		Dip or Roll Nets		Night Lines		Spears		Freezers and Ice Houses		Piers and Wharves	
No.	Yards	Value	No.	Value	No.	Value	No.	Value	No. Hooks	Value	No.	Value	No.	Value	No	Value
		$		$		$		$		$		$		$		$
6	1,430	1,075	201	131,700	5	225	1	50	1,300	190	....	.....	27	25,550	14	8,470
7	2,275	1,475	215	473,200	.....	......	1	10	....	......	....	.....	34	80,810	19	7,750
....	....	......	147	75,300	2	100	5	50	1,815	98	....	.....	25	19,450	12	11,250
29	9,845	6,625	22	13,000	33	701	1	10	400	8	....	.....	12	7,254	12	4,025
8	760	522	64	31,300	.....	......	12	108	....	......	....	.....	13	7,200	7	1,610
2	30	57	6	3,000	.....	......	11	66	4,475	142	....	.....	3	300	....	....
52	14,340	9,754	655	727,500	40	1,026	31	294	7,990	438	....	.....	114	140,564	64	33,105

during the year 1922, in the Public Waters of Lake Erie.

Sturgeon	Eels	Perch	Tullibee	Catfish	Carp	Mixed and coarse fish	Caviare	Sturgeon Bladders	Pickerel (Blue)	Value
lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	No.	lbs.	$ c.
18,917	....	466,567	....	34,050	55,801	540,149	520	....	748,892	127,063 89
1,866	....	801,381	....	1,365	66,009	293,461	52	....	2,357,006	181,882 09
1,083	....	542,297	....	13,702	956	73,104	9	....	1,925,462	248,945 24
1,049	....	198,110	....	9,116	66,251	127,184	66	....	520,930	132,540 70
8,039	7	81,727	....	80	43,119	149,118	387	....	675,813	153,505 34
5,405	....	18,945	....	8	1,790	44,154	433	....	84,486	11,304 53
36,359	7	2,109,027	....	58,321	233,926	1,227,170	1,467	....	6,312,589	....
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$	$ c.	$ c.
11,998 47	84	105,451 35	....	4,082 47	9,357 04	49,086 80	2,347 20	....	252,503 56	855,241 79

ONTARIO

Return of the number of fishermen, tonnage and value of tugs, vessels and boats, fishing industry during the year 1922,

	Districts	Fishing material											
		Tugs				Gasoline Launches			Sail or Row Boats			Gill-Nets	
		No.	Tonnage	Value	Men	No.	Value	Men	No.	Value	Men	Yards	Value
	Lake Ontario			$			$			$			$
1	Lincoln County	....	.....	....	....	15	7,375	23	6	305	17	92,500	9,325
2	Wentworth County	....	.....	....	....	5	4,100	9	4	375	9	36,100	4,814
3	Halton County	....	.....	....	....	14	8,200	25	4	170	6	138,200	8,135
4	Peel County	....	.....	....	....	6	4,500	11	1	25	2	31,000	3,550
5	York County	....	.....	....	....	11	6,750	21	6	360	6	38,700	6,207
6	Ontario County	....	.....	....	....	14	5,085	23	4	80	5	50,400	4,570
7	Durham County	....	.....	....	....	26	11,700	37	.....	....	.....	128,080	12,710
8	Northumberland County	....	.....	....	....	29	13,175	57	10	480	17	112,500	11,100
9	Prince Edward County	....	.....	....	....	80	31,285	143	100	3,559	153	429,851	35,324
10	Bay of Quinte	....	.....	....	....	105	32,925	197	152	6,775	238	425,090	36,369
11	Lennox County	....	.....	....	....	15	4,150	23	.....	....	.....	76,200	7,093
12	Frontenac County	....	.....	....	....	16	5,392	28	36	1,620	47	42,300	3,797
	Totals	....	.....	....	....	336	134,637	597	323	13,749	500	1,600,921	142,994

Return of the kinds, quantities and values of fish caught

	Districts	Herring, salted	Herring, fresh	Whitefish, salted	Whitefish fresh	Trout, salted	Trout, fresh	Pike	Pickerel, or Dore
	Lake Ontario	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
1	Lincoln County	....	17,220	....	56,696	....	50,892	....	....
2	Wentworth County	....	24,843	....	24,241	....	25,730	....	....
3	Halton County	2,247	33,520	....	88,763	....	46,511	266	....
4	Peel County	....	5,000	....	15,000	....	82,000	....	....
5	York County	....	1,700	....	33,099	....	10,011	....	....
6	Ontario County	....	3,007	....	83,309	....	6,339	158	....
7	Durham County	....	3,239	....	146,866	....	25,252	....	....
8	Northumberland County	....	6,245	....	204,559	....	58,265	17,018	400
9	Prince Edward County	250	115,256	1,475	651,804	125	328,714	54,776	7,390
10	Bay of Quinte	425	112,549	300	646,014	100	16,271	149,206	102,938
11	Lennox County	....	7,120	....	113,710	....	45,835	1,112	2,300
12	Frontenac County	300	12,909	21	32,558	730	25,074	27,689	3,202
	Totals	3,222	342,608	1,796	2,096,619	955	720,894	250,225	116,230
	Values	$ c. 193 32	$ c. 13,704 32	$ c. 215 52	$ c. 251,594 28	$ c. 105 05	$ c. 79,298 34	$ c. 12,511 25	$ c. 16,272 20

FISHERIES

the quantity and value of all fishing materials and other fixtures employed in the in the Public Waters of Lake Ontario.

Fishing material														Other fixtures used in fishing.			
Seines			Pound Nets		Hoop Nets		Dip or Roll Nets		Night Lines		Spears			Freezers and Ice Houses		Piers and Wharves	
No.	Yards	Value	No.	Value	No.	Value	No.	Value	No. Hooks	Value	No.	Value		No.	Value	No.	Value
		$		$		$		$		$		$			$		$
5	525	430	....	......	....	......	3	205	......	......	....	.....		4	900	1	300
1	20	10	....	......	....	......	....	......	......	......	....	.....		....	......	....	......
2	200	175	....	......	....	......	....	......	......	......	....	.....		1	150	4	1,300
2	220	110	....	......	....	......	....	......	......	......	....	.....		3	500	1	300
5	370	535	....	......	....	......	1	5	......	......	....	.....		....	......	....	......
2	190	175	....	......	....	......	....	......	600	6	....	.....		4	450	....	......
....	......	......	....	......	....	......	....	......	......	......	....	.....		1	100	....	......
....	......	......	....	......	24	825	....	......	......	......	....	.....		3	400	....	......
3	475	335	....	......	148	4,830	3	16	6,625	277	....	.....		31	4,490	5	430
2	27	40	....	......	480	15,553	2	11	8,750	273	....	.....		7	825	7	555
....	......	......	....	......	....	......	....	......	......	......	....	.....		....	......	....	......
1	20	12	....	......	139	4,725	....	......	1,800	80	....	.....		12	3,450	12	2,940
23	2,047	1,822	....	......	791	25,933	9	237	17,775	636	....	.....		66	11,265	30	5,825

during the year 1922, in the Public Waters of Lake Ontario.

Sturgeon	Eels	Perch	Tullibee	Catfish	Carp	Mixed and coarse fish	Caviare	Sturgeon Bladders	Pickerel (Blue)	Value
lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	No.	lbs.	$ c
....	339	4,454	....	300	15,680	16,783	....	....	28,706	15,821 58
....	....	750	....	....	6,629	365	....	....	....	7,050 20
....	....	50	....	....	....	9,510	....	....	....	17,639 59
....	....	....	....	....	....	7,160	....	....	....	11,306 40
....	459	100	....	....	14,276	13,495	....	....	....	6,312 01
....	782	194	....	840	556	290	....	....	....	11,018 73
....	....	....	....	2,078	....	2,077	....	....	....	20,759 74
....	609	576	....	3,213	375	23,589	....	....	....	33,398 28
275	38,051	3,564	....	30,385	60,839	110,487	....	....	....	136,779 47
549	77,669	50,910	....	115,209	14,922	209,217	....	....	....	134,834 71
100	....	....	....	....	300	2,036	....	....	....	19,475 89
736	28,937	13,434	....	25,751	7,427	53,619	....	....	....	17,746 44
1,660	146,846	74,032	....	177,776	121,004	448,628	....	....	28,706	....
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$	$ c.	$ c.
547 80	17,621 52	3,701 60	....	12,444 32	4,840 16	17,945 12	....	....	1,148 24	432,143 04

ONTARIO

Return of the number of fishermen, tonnage and value of tugs, vessels and boats, fishing industry during the year

	Districts	Fishing material											
		Tugs				Gasoline Launches			Sail or Row Boats			Gill-Nets	
		No.	Tonnage	Value	Men	No.	Value	Men	No.	Value	Men	Yards	Value
	Inland Waters			$			$			$			$
1	Frontenac County	....	....	....	....	4	390	8	26	660	42	....	....
2	Lanark and Leeds County	....	....	....	....	15	3,450	15	58	1,922	79	....	....
3	Grenville, Dundas, Stormont, Glengarry Counties	....	....	....	....	5	775	6	12	194	13	....	....
4	Prescott, Russell, Carleton and Renfrew Counties	....	....	....	....	3	900	2	33	497	23	786	144
5	Peterboro and Victoria Counties	....	....	....	....	1	200	2	8	275	10	....	....
6	Lake Simcoe	....	....	....	....	8	4,500	20	18	785	18	....	....
7	Temiskaming and Nipissing Districts	....	....	....	....	10	4,900	21	14	765	12	30,950	4,901
	Totals	....	....	....	....	46	15,115	74	169	5,098	197	31,736	5,045

Return of the kinds, quantities and values of fish caugh

	Districts	Herring, salted	Herring, fresh	Whitefish, salted	Whitefish, fresh	Trout, salted	Trout, fresh	Pike	Pickerel, or Dore
	Inland Waters	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
1	Frontenac County	....	....	....	....	....	....	20,076	....
2	Lanark and Leeds County	....	....	....	....	....	....	17,291	....
3	Grenville, Dundas, Stormont, and Glengarry Counties	....	....	....	....	....	....	500	....
4	Prescott, Russell, Carleton and Renfrew Counties	....	....	....	....	....	....	12,727	2,980
5	Peterboro and Victoria Counties	....	2,665	....	....	....	....	4,016	....
6	Lake Simcoe	....	1,097	....	6,963	....	34,075	....	....
7	Temiskaming and Nipissing Districts	....	8,246	700	37,673	....	9,090	50,560	51,583
	Totals	....	12,008	700	44,636	....	43,165	105,170	54,563
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
	Values	....	480 32	84 00	5,356 32	....	4,748 15	5,258 50	7,638 82

FISHERIES.

the quantity and value of all fishing materials and other fixtures employed in the 1922, in Inland Waters.

Fishing material															Other fixtures used in fishing.			
Seines			Pound Nets		Hoop Nets		Dip or Roll Nets		Night Lines		Spears		Freezers and Ice Houses		Piers and Wharves			
No.	Yards	Value	No.	Value	No.	Value	No.	Value	No. Hooks	Value	No.	Value	No.	Value	No.	Value		
		$		$		$		$		$		$		$		$		
7	70	210	....	....	85	3,843	....	......	....	......	....	.....	2	245	....	....		
13	224	637	....	....	157	4,770	2	4	3,800	73	....	.....	8	750	2	105		
2	70	115	....	....	....	......	2	3	4,500	152	....	.....	2	200	....	....		
1	20	10	....	....	47	1,281	....	......	2,750	63	....	.....	14	524	....	....		
1	6	5	....	....	23	800	10	56	....	......	....	.....	2	100	....	....		
10	2,621	3,767	....	....	4	120	4	30	....	......	151	1,054	1	1,500	3	500		
....	....	......	3	750	14	505	....	......	....	......	....	.....	8	16,885	7	890		
34	3,011	4,744	3	750	330	11,319	18	93	11,050	288	151	1,054	37	20,204	12	1,495		

during the year 1922, in Inland Waters.

Sturgeon	Eels	Perch	Tullibee	Catfish	Carp	Mixed and coarse fish	Caviare	Sturgeon Bladders	Pickerel (Blue)	Value
lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	No.	lbs.	$ c.
....	6,728	3,638	....	53,214	516	71,759	....	....	....	8,609 04
3,980	10,558	1,112	....	33,973	2,100	88,999	....	....	....	9,522 58
6,751	4,006	1,890	....	1,335	1,200	2,660	6	....	....	3,085 50
315	2,049	15,783	....	11,848	3,775	41,301	....	....	....	4,824 93
....	843	....	....	8,024	....	32,928	....	....	....	2,287 36
....	....	1,685	....	245	304,909	23,024	....	....	....	17,846 41
730	8	896	....	....	....	55,759	....	....	....	18,201 14
11,776	24,192	25,004	....	108,639	312,500	316,430	6	....	....	....
$ c. 3,886 08	$ c. 2,903 04	$ c. 1,250 20	$ c.	$ c. 7,604 73	$ c. 12,500 00	$ c. 12,657 20	$ c. 9 60	$	$ c.	$ c. 64,376 96

ONTARIO

Recapitulation of the number of fishermen, tonnage and value of tugs, vessels and boats, fishing industry during the

	Districts	Fishing material											
		Tugs				Gasoline Launches			Sail or Row Boats			Gill-Nets	
		No.	Tonnage	Value	Men	No.	Value	Men	No.	Value	Men	Yards	Value
				$			$			$			
1	Kenora and Rainy River Districts	7	115	20,400	16	107	44,375	153	100	5,954	75	237,148	39,378
2	Lake Superior	21	536	81,000	126	50	28,825	94	68	5,910	100	710,200	75,468
3	Lake Huron (North Channel)	8	224	46,000	39	40	22,550	82	73	7,523	87	285,760	37,707
4	Georgian Bay	21	557	126,600	106	99	100,743	206	100	9,650	129	1,228,534	123,017
5	Lake Huron (Proper)	10	283	59,000	55	58	36,565	128	39	2,155	83	782,535	83,971
6	Lake St. Clair	....	.....	....	....	52	22,345	89	105	5,365	155	....	....
7	Lake Erie	39	1,142	322,108	248	158	125,785	434	204	16,440	230	1,362,748	165,734
8	Lake Ontario	....	.....	....	....	336	134,637	597	323	13,749	500	1,600,921	142,994
9	Inland Waters	....	.....	....	....	46	15,115	74	169	5,098	197	31,736	5,045
	Totals	106	2,857	655,108	590	946	530,940	1,857	1,181	71,844	1,556	6,239,582	673,314

Recapitulation of the kinds, quantities and values

	Districts	Herring, salted	Herring, fresh	Whitefish, salted	Whitefish fresh	Trout, salted	Trout, fresh	Pike	Pickerel, or Dore
		lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
1	Kenora and Rainy River District	....	....	....	590,249	....	87,783	488,360	1,041,601
2	Lake Superior	27,500	577,065	840	1,198,100	11,723	1,872,321	30,298	164,192
3	Lake Huron (North Channel)	1,000	18,191	1,150	253,128	5,638	647,954	104,158	164,312
4	Georgian Bay	1,300	73,846	508	1,068,604	10,250	1,434,831	107,662	121,592
5	Lake Huron (Proper)	3,300	177,171	900	67,211	20,804	1,686,451	5,084	160,299
6	Lake St. Clair	....	....	....	3,570	....	....	25,136	57,138
7	Lake Erie	....	6,306,318	454	751,270	....	526	143,736	505,070
8	Lake Ontario	3,222	342,608	1,796	2,096,619	955	720,894	250,225	116,230
9	Inland Waters	....	12,008	700	44,636	....	43,165	105,170	54,563
	Totals	36,322	7,507,207	6,348	6,073,387	49,370	6,493,925	1,259,829	2,384,997
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
	Values	2,179 32	300,288 28	761 76	728,806 44	5,430 70	714,331 75	62,991 45	333,899 58

FISHERIES.

the quantity and value of all fishing materials and other fixtures employed in the the year 1922.

Fishing material															Other fixtures used in fishing.			
Seines			Pound Nets		Hoop Nets		Dip or Roll Nets		Night Lines		Spears		Freezers and Ice Houses		Piers and Wharves	
No.	Yards	Value	No.	Value	No.	Value	No.	Value	No. Hooks	Value	No.	Value	No.	Value	No.	Value
		$		$		$		$		$		$		$		$
....	....	......	61	18,800	46	1,442	....	......	....	......	....	.....	98	27,370	74	12,255
....	....	......	53	20,750	.....	....	....	......	9,000	875	....	.....	26	12,575	18	7,795
....	....	......	129	67,310	20	1,680	....	......	2,000	105	....	.....	45	14,840	34	16,725
7	1,030	1,058	76	63,650	50	1,166	....	......	32,600	3,755	....	.....	35	10,695	37	15,600
12	595	575	83	49,150	3	225	1	5	3,000	240	....	.....	32	8,650	20	4,200
58	8,639	7,163	225	23,925	2	60	....	......	2,450	119	....	.....	42	22,475	36	7,625
52	14,340	9,754	655	727,500	40	1,026	31	294	7,990	438	....	.....	114	110,564	64	33,105
23	2,047	1,822	.....	....	791	25,933	9	237	17,775	636	....	.....	66	11,265	30	5,825
34	3,011	4,744	3	750	330	11,319	18	93	11,050	288	151	1,054	37	20,204	12	1,495
186	29,662	25,116	1,285	971,835	1,282	42,851	59	629	85,865	6,456	151	1,054	495	268,638	325	104,625

of fish caught during the year 1922.

Sturgeon	Eels	Perch	Tullibee	Catfish	Carp	Mixed and coarse fish	Caviare	Sturgeon Bladders	Pickerel (Blue)	Value
lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	No.	lbs.	$ c.
4,169	....	15,220	130,774	....	2,640	148,514	136	....	3,600	265,811 38
23,065	....	162	78	....	7,187	113,372	86	....	250	412,945 43
12,803	....	19,210	....	88	16,359	400,645	64	....	....	153,381 91
3,499	....	2,147	75,027	5,361	50,442	87,755	334	....	....	324,141 09
10,451	....	126,327	131,508	1,255	3,140	113,664	634	....	10,969	248,506 02
8,169	....	96,185	....	31,839	313,266	461,477	296	....	2,400	50,977 59
36,359	7	2,109,027	....	58,321	233 926	1,227,170	1,467	...	6,312,589	855,241 79
1,660	146,846	74,032	....	177,776	121,004	448,628	....	....	28,706	432,143 04
11,776	24,192	25,004	....	108,639	312,500	316,430	6	....	....	64,376 96
111,951	171,045	2,467,314	337,387	383,279	1,060,464	3,317,655	3,023	....	6,358,514	....
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$	$ c.	$ c.
36,943 83	20,525 40	123,365 70	16,869 35	26,829 53	42,418 56	132,706 20	4,836 80	....	254,340 56	2,807,525 21

Comparative Statement of the Yield of the Fisheries of the Province of Ontario according to Districts

———	1921 lbs.	1922 lbs.	Increase lbs.	Decrease lbs.
Kenora and Rainy River Districts:				
Whitefish, salted	700			700
Whitefish, fresh	384,664	590,249	205,585	
Trout, salted	978			978
Trout, fresh	80,342	87,783	7,441	
Pike	451,170	488,360	37,190	
Pickerel (Dore)	972,177	1,041,601	69,424	
Sturgeon	1,842	4,169	2,327	
Perch	7,865	15,220	7,355	
Tullibee	116,654	130,774	14,120	
Catfish	51,062			51,062
Carp	7,585	2,640		4,945
Mixed and Coarse	166,408	148,514		17,894
Caviare	25	136	111	
Pickerel (Blue)		3,600	3,600	
Total	2,241,472	2,513,046	271,574	(net increase)
Lake Superior:				
Herring, salted	276,535	27,500		249,035
Herring, fresh	424,826	577,065	152,239	
Whitefish, salted	200	840	640	
Whitefish, fresh	1,497,289	1,198,100		299,189
Trout, salted	91,224	11,723		79,501
Trout, fresh	1,512,942	1,872,321	359,379	
Pike	53,977	30,298		23,679
Pickerel (Dore)	199,208	164,192		35,016
Sturgeon	26,305	23,065		3,240
Perch		162	162	
Tullibee	300	78		222
Carp	5,462	7,187	1,725	
Mixed and Coarse	72,959	113,372	40,413	
Caviare	165	86		79
Pickerel (Blue)	15,504	250		15,254
Total	4,176,896	4,026,239	(net decrease)	150,657
Lake Huron (North Channel):				
Herring, salted	905	1,000	95	
Herring, fresh	23,734	18,191		5,543
Whitefish, salted	2,250	1,150		1,100
Whitefish, fresh	664,996	253,128		411,868
Trout, salted	5,110	5,638	528	
Trout, fresh	1,589,214	647,954		941,260
Pike	134,704	104,158		30,546
Pickerel (Dore)	160,719	164,312	3,593	
Sturgeon	12,903	12,803		100
Perch	11,863	19,210	7,347	
Tullibee	50,161			50,161
Catfish	4,109	88		4,021
Carp	10,817	16,359	5,542	
Mixed and Coarse	411,610	400,645		10,965
Caviare	235	64		171
Total	3,083,330	1,644,700	(net decrease)	1,438,630

Comparative Statement of the Yield of the Fisheries of the Province of Ontario according to Districts.—*Continued.*

———	1921 lbs.	1922 lbs.	Increase lbs.	Decrease lbs.
Georgian Bay:				
Herring, salted	2,750	1,300		1,450
Herring, fresh	61,002	73,846	12,844	
Whitefish, salted	5,015	508		4,507
Whitefish, fresh	550,415	1,068,604	518,189	
Trout, salted	17,980	10,250		7,730
Trout, fresh	908,966	1,434,831	525,865	
Pike	86,813	107,662	20,849	
Pickerel (Dore)	38,551	121,592	83,041	
Sturgeon	2,629	3,499	870	
Perch	4,435	2,147		2,288
Tullibee	82,320	75,027		7,293
Catfish	13,819	5,361		8,458
Carp	68,727	50,442		18,285
Mixed and Coarse	138,310	87,755		50,555
Caviare	20	334	314	
Total	1,981,752	3,043,158	1,061,406	(net increase)
Lake Huron (Proper):				
Herring, salted	6,100	3,300		2,800
Herring, fresh	103,891	177,171	73,280	
Whitefish, salted	6,350	900		5,450
Whitefish, fresh	70,143	67,211		2,932
Trout, salted	12,095	20,804	8,709	
Trout, fresh	678,082	1,686,451	1,008,369	
Pike	7,067	5,084		1,983
Pickerel (Dore)	125,223	160,299	35,076	
Sturgeon	8,288	10,451	2,163	
Perch	127,136	126,327		809
Tullibee	121,048	131,508	10,460	
Catfish	481	1,255	774	
Carp	3,518	3,140		378
Mixed and Coarse	101,925	113,664	11,739	
Caviare	4,713	634		4,079
Pickerel (Blue)	546	10,969	10,423	
Total	1,376,606	2,519,168	1,142,562	(net increase)
Lake St. Clair:				
Herring, fresh	325			325
Whitefish, fresh	2,400	3,570	1,170	
Pike	54,995	25,136		29,859
Pickerel (Dore)	37,598	57,138	19,540	
Sturgeon	11,885	8,169		3,716
Perch	131,304	96,185		35,119
Catfish	67,558	31,839		35,719
Carp	316,717	313,266		3,451
Mixed and Coarse	438,073	461.477	23,404	
Caviare	3,801	296		3,505
Pickerel (Blue)	160	2,400	2,240	
Total	1,064,816	999,476	(net decrease)	65,340

Comparative Statement of the Yield of the Fisheries of the Province of Ontario according to Districts.—*Continued.*

	1921 lbs.	1922 lbs.	Increase lbs.	Decrease lbs.
Lake Erie:				
Herring, fresh	5,225,300	6,306,318	1,081,018	
Whitefish, salted	1,851	454		1,397
Whitefish, fresh	964,648	751,270		213,378
Trout, fresh	637	526		111
Pike	96,692	143,736	47,044	
Pickerel (Dore)	311,021	505,070	194,049	
Sturgeon		36,359	36,359	
Eels	15,104	7		15,097
Perch	1,964,898	2,109,027	144,129	
Tullibee	68			68
Catfish	45,582	58,321	12,739	
Carp	345,427	233,926		111,501
Mixed and Coarse	1,071,536	1,227,170	155,634	
Caviare		1,467	1,467	
Pickerel (Blue)	6,366,554	6,312,589		53,965
Total	16,409,318	17,686,240	1,276,922	(net increase)
Lake Ontario:				
Herring, salted	2,186	3,222	1,036	
Herring, fresh	1,014,419	342,608		671,811
Whitefish, salted	10,488	1,796		8,692
Whitefish, fresh	2,156,986	2,096,619		60,367
Trout, salted	29,543	955		28,588
Trout, fresh	529,302	720,894	191,592	
Pike	233,143	250,225	17,082	
Pickerel (Dore)	73,305	116,230	42,925	
Sturgeon	1,798	1,660		138
Eels	112,226	146,846	34,620	
Perch	87,272	74,032		13,240
Tullibee	475			475
Catfish	183,629	177,776		5,853
Carp	62,867	121,004	58,137	
Mixed and Coarse	415,850	448,628	32,778	
Caviare	103			103
Pickerel (Blue)	23,034	28,706	5,672	
Total	4,936,626	4,531,201	(net decrease)	405,425
Inland Waters:				
Herring, salted	350			350
Herring, fresh	23,678	12,008		11,670
Whitefish, salted	200	700	500	
Whitefish, fresh	48,138	44,636		3,502
Trout, salted	100			100
Trout, fresh	10,808	43,165	32,357	
Pike	119,268	105,170		14,098
Pickerel (Dore)	148,800	54,563		94,237
Sturgeon	69,279	11,776		57,503
Eels	36,482	24,192		12,290
Perch	22,464	25,004	2,540	
Tullibee	500			500
Catfish	131,674	108,639		23,035
Carp	259,706	312,500	52,794	
Mixed and Coarse	300,096	316,430	16,334	
Caviare	1,923	6		1,917
Pickerel (Blue)	100			100
Total	1,173,566	1,058,789	(net decrease)	114,777

Comparative Statement of the Yield of the Fisheries of the Province of Ontario.

Kind of Fish.	1921 lbs.	1922 lbs.	Increase lbs.	Decrease lbs.
Herring, salted	288,826	36,322	....	252,504
Herring, fresh	6,877,175	7,507,207	630,032	....
Whitefish, salted	27,054	6,348	....	20,706
Whitefish, fresh	6,339,679	6,073,387	....	266,292
Trout, salted	157,030	49,370	....	107,660
Trout, fresh	5,310,293	6,493,925	1,183,632	....
Pike	1,237,829	1,259,829	22,000	....
Pickerel (Dore)	2,066,602	2,384,997	318,395	....
Sturgeon	134,929	111,951	....	22,978
Eels	163,812	171,045	7,233	....
Perch	2,357,237	2,467,314	110,077	....
Tullibee	371,526	337,387	....	34,139
Catfish	497,914	383,279	....	114,635
Carp	1,080,826	1,060,464	....	20,362
Mixed and Coarse	3,116,757	3,317,655	200,898	....
Caviare	10,985	3,023	....	7,962
Pickerel (Blue)	6,405,898	6,358,514	....	47,384
Total	36,444,372	38,022,017	1,577,645	(net increase)

Statement of the Yield of Fisheries of the Province of Ontario for the Year 1922 as Furnished by the Fishermen's Annual Returns.

Kind of Fish	Quantity lbs.	Price per lb.	Value $
Herring, salted	36,322	$0 06	2,179 32
Herring, fresh	7,507,207	04	300,288 28
Whitefish, salted	6,348	12	761 76
Whitefish, fresh	6,073,387	12	728,806 44
Trout, salted	49,370	11	5,430 70
Trout, fresh	6,493,925	11	714,331 75
Pike	1,259,829	05	62,991 45
Pickerel (Dore)	2,384,997	14	333,899 58
Sturgeon	111,951	33	36,943 83
Eels	171,045	12	20,525 40
Perch	2,467,314	05	123,365 70
Tullibee	337,387	05	16,869 35
Catfish	383,279	07	26,829 53
Carp	1,060,464	04	42,418 56
Mixed and Coarse	3,317,655	04	132,706 20
Caviare	3,023	1 60	4,836 80
Pickerel (Blue)	6,358,514	04	254,340 56
Total	38,022,017	....	2,807,525 21

Prices based on figures furnished by the Dominion Bureau of Statistics.

VALUE OF ONTARIO FISHERIES, YEARS 1901 TO 1922, INCLUSIVE.

Year	Value $ c.	Year	Value. $ c.
1901	1,428,078 00	1912	2,842,877 09
1902	1,265,705 00	1913	2,674,686 76
1903	1,535,144 00	1914	2,755,293 11
1904	1,793,524 00	1915	3,341,181 41
1905	1,708,963 00	1916	2,658,993 43
1906	1,734,865 00	1917	2,866,424 00
1907	1,935,024 90	1918	3,175,110 32
1908	2,100,078 63	1919	2,721,440 24
1909	2,237,544 41	1920	2,691,093 74
1910	2,348,269 57	1921	2,656,775 82
1911	2,419,178 21	1922	2,807,525 21

STATEMENT OF THE NUMBER AND VALUE OF THE TUGS, GASOLINE, SAIL OR ROW BOATS, NETS, SPEARS, ETC., USED IN THE FISHING INDUSTRY OF THE PROVINCE OF ONTARIO DURING THE YEAR 1922.

———	Number	Value $
Tugs (2,857 tons)	106	655,108 00
Gasoline Launches	946	530,940 00
Sail or Row Boats	1,181	71,844 00
Gill Nets (6,239,582 yards)	....	673,314 00
Seine Nets (29,662 yards)	186	25,116 00
Pound Nets	1,285	971,835 00
Hoop Nets	1,282	42,851 00
Dip or Roll Nets	59	629 00
Baited Hooks	85,865	6,456 00
Spears	151	1,054 00
Freezers and Ice Houses	495	268,638 00
Piers and Wharves	325	104,625 00

Number of men employed on Tugs	590
Number of men employed on Gasoline Launches	1,857
Number of men employed on Sail or Row Boats	1,556

ANNUAL REPORT

OF THE

Department of Public Highways

ONTARIO

1922

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

TORONTO
Printed and Published by Clarkson W. James, Printer to the King's Most Excellent Majesty
1923

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CANADA

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TO HIS HONOUR HENRY COCKSHUTT,
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

I herewith beg to present for your consideration the Annual Report of the Department of Public Highways, relating to Highway Improvement in the Province of Ontario during the year 1922.

Respectfully submitted,

F. C. BIGGS,
Minister of Public Works and Highways.

TO THE HONOURABLE F. C. BIGGS,
Minister of Public Works and Highways.
Ontario.

SIR,—I have the honour to submit the Annual Report of the Department of Public Highways for the year 1922, having special reference to work on the Provincial Highway System under the Provincial Highways Act; work carried on by the several counties of Ontario under the Highway Improvement Act; and by township councils whose work is now subsidized under the Ontario Highways Act, 1920.

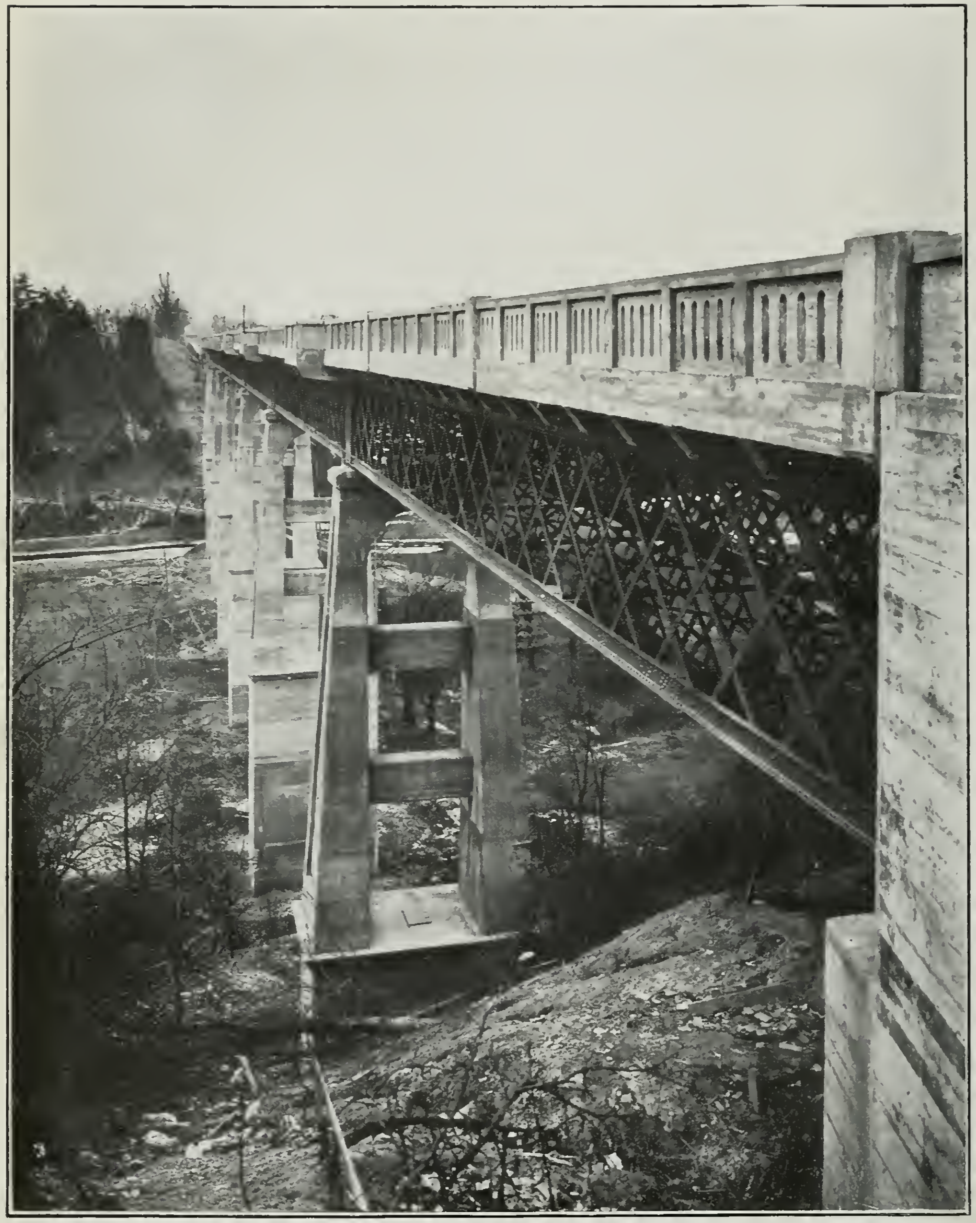
Reference is also made to the operation of the Motor Vehicles Act; and to other services within the purview of the Department of Public Highways.

I have the honour to be, Sir,

Yours respectfully,

W. A. MCLEAN,
Deputy Minister of Highways.

Parliament Buildings, Toronto, May 28th, 1923.



Dundas Street Provincial Highway

High level bridge over Sixteen Mile Creek. Length of bridge 936 feet; height of floor above bed of stream 126 feet.

Highway Improvement in Ontario

Report by W. A. McLEAN, Deputy Minister.

ROAD CONSTRUCTION in Ontario during the past year has been systematically continued, and at the close of the season a large addition to the mileage of improved roads of all classes had been completed. The activities of the Department of Public Highways were many and diversified. Not only was a substantial programme of construction on the Provincial Highways undertaken and completed, but the work of counties and townships on the roads controlled by these local municipalities was marked by improvement in the quality of the work, more thorough organization, and closer co-operation with the Department.

This was more particularly the case with the townships, the greater number of which are receiving Provincial assistance under the Ontario Highways Act. Although this aid to the townships has been available for only three years, the reports of the Department Engineers, who inspect the work and consult with the townships officials, indicate that the townships, for the most part, are making an earnest endeavour to place their road improvement on a businesslike basis; are gradually discarding statute labour on their roads, and substituting therefor a controlled system of expenditure under qualified road overseers.

Probably the most noticeable feature in county road work has been the construction of a substantial mileage of the more permanent types of surface, such as bituminous macadam, asphaltic concrete and cement concrete. In many counties there are certain roads on which traffic has materially increased in volume. As a result maintenance costs on gravel and waterbound macadam roads have reached a point where economy necessitates the use of surfaces which entail a greater initial expenditure, but which, on account of the better service rendered, will prove more economical in the end.

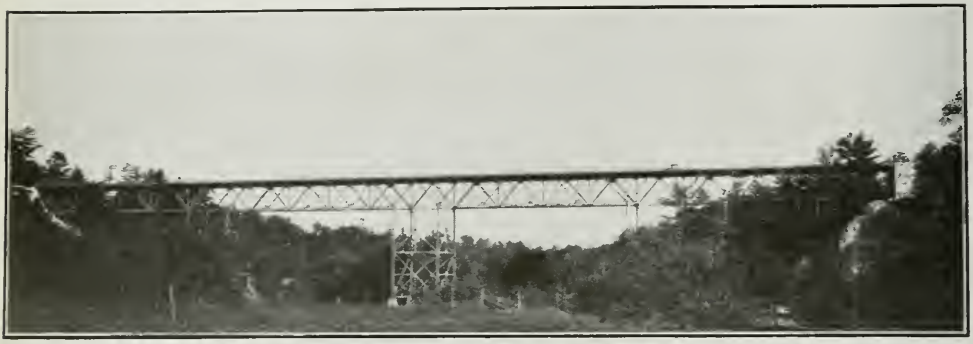
The mileage of roads with respect to classification in that part of Ontario under county organization is now as follows:—

Provincial Highways (ordinary)	1,465	miles.
Provincial Suburban	358	"
Total Provincial Highways	1,823	"
County Roads (ordinary)	7,536	miles.
County Provincial Roads	1,905	"
County Suburban Roads	401	"
County Provincial Suburban Roads	150	"
Total County Roads	9,812	"
Township Roads	38,240	miles
Total Mileage of Roads in Southern Ontario	49,875	"

On County and Provincial County Roads, in addition to the grading of approximately 790 miles, a substantial amount of surfacing was completed during the year. A careful survey of road conditions was made by officers of the

Department at the end of December, 1921, and again at the end of the year 1922, and some measure of progress for the latter year is shown by the following comparative statement:

Year	Gravel	Water-bound macadam	Oiled or tarred macadam	Bituminous macadam	Asphaltic concrete	Cement concrete	Brick	Total
1922.......	5,956.53	2,174.07	220.0	128.22	21.73	100.12	0.5	8,601.17
1921.......	5,665.00	1,878.00	182.0	94.00	13.50	65.00	0.5	7,898.00
Increase..	291.53	296.07	38.0	34.22	8.23	35.12	0.0	703.17



Toronto-Port Hope Provincial Highway
New high level bridge over Highland Creek. Length of bridge 655 feet; height of floor above bed of stream 100 feet; thirty-foot roadway with two six-foot sidewalks.

PROVINCIAL HIGHWAYS

Since the inauguration of the Provincial Highway System in 1917, and its subsequent expansion, grading and the construction of culverts and bridges, which must of necessity precede surfacing, have largely occupied the attention of the Department. At the same time where paving and surfacing could be done, and where traffic conditions warranted, a considerable amount of this work was accomplished. The beginning of the year 1922 witnessed the completion of the structures and preliminary grading on a large mileage of the system and this enabled more surfacing than in previous years to be done.

On the sections of the Highways that were not actually under construction systematic methods of maintenance were continued. Gravel surfaces received light applications of new gravel and were constantly dragged. Macadam surfaces were patrolled by patrolmen and a large amount of road oil and refined tar was used to treat them; ditches, culverts and watercourses were kept open and weeds were cut as available labour and equipment would permit.

A more detailed description of the season's work will be found on following pages of this report. Mention might, however, be made of a few of the larger undertakings that were completed.

On the Kingston-Brockville road a considerable amount of heavy grading was necessary in the vicinity of Yonge's Mills and Mallorytown and the construction of four miles of oiled macadam connected Kingston with Gananoque, with the exception of a short piece, one-half mile long. West of Odessa two miles were surfaced with waterbound macadam.

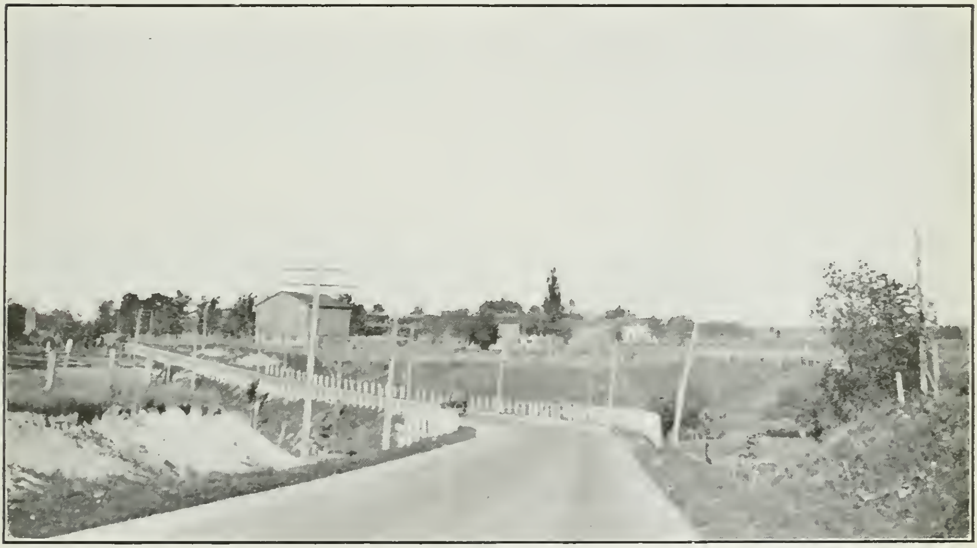
A macadam base was constructed easterly from Morrisburg for 4½ miles, and in Charlottenburg Township, east of Cornwall, for four and a half miles.

On the Kingston-Ottawa road a two-course macadam surface with tar treatment was built from Barriefield northerly for four miles. Macadam base was laid between Ottawa and Stittsville, a distance of eight miles; from Carleton Place westerly for four and a half miles, and southerly from Perth for three miles.

Five and a half miles of macadam surface were laid on the Ottawa-Pembroke road, easterly from Ottawa, and one-half mile of asphaltic concrete on the Provincial Highway in the town of Pembroke.

Southerly from Ottawa, on the Prescott Highway, four miles of asphaltic concrete surface were laid. Three miles of base course were constructed on the Point Fortune road between Green's Creek and Orleans, and one mile of bituminous macadam was constructed in Rockland village.

Between Belleville and Picton, a total of four and a half miles of macadam base were laid and on the Belleville-Foxboro road, three miles of two-course macadam were completed.



Toronto-Port Hope Provincial Highway
Showing improved alignment and asphaltic concrete pavement.

On the Peterboro-Port Hope road south of Peterboro five miles of macadam base were laid.

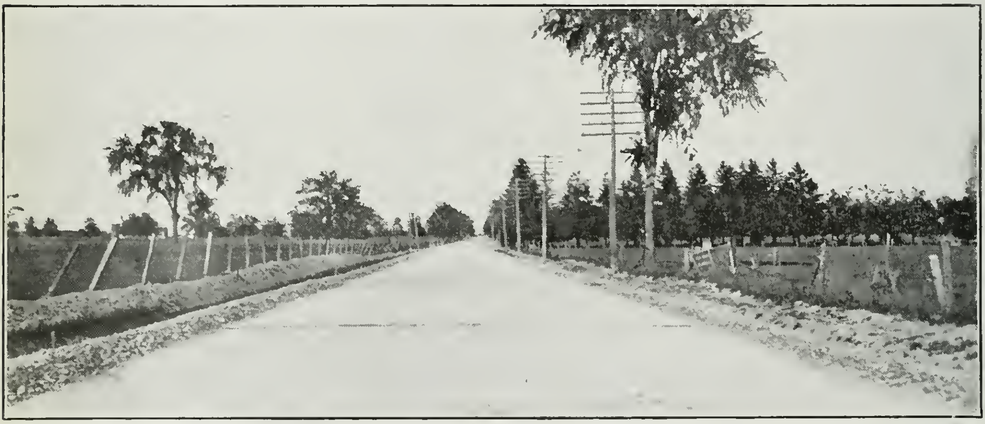
On the Toronto-Port Hope road three miles of concrete pavement were laid in Scarboro township, and from the Rouge River easterly to Dunbarton two and a half miles of asphaltic concrete were completed. The latter work, connecting with the pavement previously laid between Pickering village and Dunbarton, gives a continuous pavement between the Rouge and Pickering, a distance of about five miles.

Probably the most outstanding piece of work on this road was the completion of the new bridge over Highland Creek Ravine about 10 miles east of the city, a steel structure carrying the roadway at a height of one hundred feet above the creek. Two steep hills, on one of which was a sharp turn on a nine per cent. grade, were eliminated. While the distance across the ravine on the old road was thirty-five hundred feet, the new bridge is only 650 feet long and the approaches about two hundred and fifty feet.

On Yonge Street an asphaltic concrete surface was built from the northern limits of the city of Toronto to Thornhill, a distance of 5¾ miles. A new location at Holland Landing resulted in the doing away with several dangerous curves on a steep grade and the elimination of two level railway crossings over the Canadian National Railway. The level crossing south of the town of Aurora was replaced by a subway under the Canadian National Railway.

Between Barrie and Orillia the road was, for the most part, graded and gravelled, and north of Orillia a macadam surface was constructed for a distance of two miles.

On Dundas Street between Toronto and Hamilton, thirteen miles of macadam base were constructed. The bridges, grading and preliminary surfacing on the new entrance into Hamilton off Dundas Street, the Guelph Road and the Toronto and Hamilton Highway were completed and the entrance was formally opened to traffic on August 23rd.



Hamilton-London Provincial Highway
Cement concrete pavement between London and Crumlin.

South from Owen Sound a macadam base was laid over a length of two and a half miles, and north from Guelph to the junction with the Elora Road a concrete pavement was built, a distance of three miles.

Between Brantford and Hamilton the pavement was completed by the construction of about six miles of asphaltic concrete in Ancaster township. This connects with the concrete pavement extending easterly from the city of Brantford. A pleasing feature in connection with the formal opening of this road, on November 15th, was the presence of the Honourable J. L. Perron, Minister of Highways of the Province of Quebec.

A subway was constructed on this road under the Toronto, Hamilton and Buffalo Railway at Binkley's Corners.

The concrete pavement from the city of Hamilton easterly for four miles on the Hamilton-Queenston road was completed.

The cities of Welland and Niagara Falls were joined by a macadam surface. Easterly from Chatham concrete was laid for a distance of three and three-quarter miles, which with the surface previously laid gives a continuous pavement for five and three-quarter miles. West from Chatham two and three-quarter miles of concrete were laid.

The completion of three and three-quarter miles of concrete pavement southerly from Windsor on the old Talbot Road completes the ten miles between Windsor and Maidstone.

Easterly from London two and a quarter miles of concrete pavement were laid to Crumlin. The London-St. Thomas road was surfaced with concrete from Lambeth, which was the southern extremity of the pavement laid in 1921, to Sandy Mount, a mile north of St. Thomas. The mile between St. Thomas and Sandy Mount involved some heavy grading which was required before pavement could be laid.

The macadam surface between Cayuga and Jarvis, a distance of 15 miles, was completed. This gives an improved surface from Jarvis to Dunnville, a distance of 31 miles.

In addition to the work described above a large mileage of the Provincial Highway System was graded and gravelled and all but about four hundred culverts were completed by the end of the year.

A number of bridges were erected where the existing structures were not sufficiently strong to carry traffic. Of these the bridge over the the north branch of the Thames River at London and that over the Credit River at Erindale on Dundas Street might be mentioned. In all 24 such structures were completed.

COUNTY ROADS

The Highway Improvement Act was initiated in 1901, when an appropriation of $1,000,000. was made by the Provincial Government with a view to aiding the construction of county roads; the Provincial subsidy being 33⅓ per cent. The first counties to pass the necessary by-laws adopting a system of county roads were Simcoe and Wentworth, which were approved by the Lieutenant-Governor in Council in June and November, 1902, respectively.

By a process of evolution, this Act, which provides for the establishing of a County Road System, has been placed on a permanent and satisfactory basis. Counties now receive from the Province 40 per cent. of the expenditure on county roads and 60 per cent. of the expenditure on Provincial county roads.

Since the passing of the Highway Improvement Act and to the end of 1922, a total of $45,220,294.61 has been expended on construction and maintenance of county roads, of which the Province has contributed $19,500,162.24. This includes the county expenditure of 1922, on which the Provincial subsidy was paid in 1923.

Of the 49,875 miles of road in the area covered by the County Road System at the end of 1922, approximately 27,911 miles or 56 per cent. have been surfaced with gravel, broken stone or other more permanent material.

The length of the county road systems within the thirty-seven counties at the end of 1922 amounted to approximately 20 per cent. of the total road mileage in the area covered by the County Road System.

The following table shows the mileage of the various types of road laid on the County Road System at the end of 1922:—

Gravel	5,956.53	miles
Waterbound macadam	2,174.07	"
Cement concrete	100.12	"
Bituminous macadam (penetration)	128.22	"
Asphaltic concrete	21.73	"
Oiled or tarred macadam	220.00	"
Brick	0.50	"
Total	8,601.17	"

This is approximately 87 per cent. of the mileage of County Road System. This creditable record is largely due to the use of gravel in counties where gravel is plentiful and easily obtained. In the counties of Huron, Waterloo and Oxford the entire mileage of the County Road System has been surfaced with gravel or other material.

In addition to the construction of road surfaces, numerous bridges and concrete box culverts are being built annually, and approximately 1,200 miles of road resurfaced with gravel or crushed stone and widened to meet the traffic requirements of to-day.

Work on the County Road System has shown remarkable development during recent years, all of which accrue to the good of the Province and bring fresh interest to life and its activities for those whom the roads serve.

STRATFORD-GODERICH PROVINCIAL HIGHWAY
Asphaltic concrete pavement between Stratford and Sebringville.

Expenditure on the County Road System in 1922 was as follows:—

	Total Expenditure	Provincial Grant
Construction		
Provincial County Roads	$2,420,559.40	$1,452,335.62
County Roads	4,475,706.65	1,787,562.58
Total Construction	$6,896,266.05	$3,239,898.20
Maintenance		
Provincial County Roads	$559,756.82	$335,854.09
County Roads	1,696,740.41	678,696.14
Total Maintenance	$2,256,497.23	$1,014,550.23
Summary		
Total Construction	$6,896,266.05	$3,239,898.20
Total Maintenance	2,256,497.23	1,014,550.23
Total Expenditure	$9,152,763.28	$4,254,448.43

The work on which the foregoing expenditures for construction were made included the following:—

Grading		789.99 miles
Gravel	291.53 miles	
Waterbound macadam	296.07 "	
Cement concrete	35.12 "	
Bituminous macadam (penetration)	34.22 "	
Asphaltic concrete	8.23 "	
Oiled or tarred macadam	38.00 "	
Total surfaced		703.17 miles

Bridges over 10-feet span	126
Concrete slab culverts	571
Pipe and tile culverts	2,674

Among the special features of road improvement effected during the year the following works may be mentioned:—

COUNTY ROAD MILEAGE AND EXPENDITURE

From inception of County Road Systems up to December 31st, 1922.
The Provincial Subsidies on 1922 expenditure to be paid in 1923.

COUNTY	Year of Establish't of System	Road Mileage				Total Approved Expenditure to end of 1922	Total Government Grant
		County Roads	County Suburban Roads	Pro. Co. Roads	Pro. Co. Sub. Roads		
Brant	1917	49.5	2.0	33.5	17.0	$838,023.61	$406,013.57
Bruce	1917	192.4	....	132.0	....	796,158.71	389,170.37
Carleton	1909	225.5	20.0	41.5	10.0	2,901,020.34	1,299,209.03
Dufferin	1918	150.1	....	48.6	....	427,518.62	183,779.22
Elgin	1917	248.2	16.3	34.8	4.0	834,507.99	366,459.76
Essex	1916	179.3	33.0	53.5	11.0	1,654,895.52	770,344.65
Frontenac	1907	122.0	30.5	42.5	10.5	583,332.10	228,625.75
Grey	1918	293.9	29.6	58.4	14.4	1,248,758.79	624,637.01
Haldimand	1911	130.0	....	9.5	....	1,065,049.66	447,393.02
Halton	1907	99.0	....	45.0	....	1,244,694.88	530,276.38
Hastings	1904	342.0	....	77.5	....	1,227,146.49	497,928.74
Huron	1917	334.8	....	98.4	....	752,571.27	327,144.93
Kent	1917	163.0	8.7	71.8	6.0	1,319,672.48	665,541.71
Lambton	1918	244.0	3.0	91.0	....	727,548.98	332,997.85
Lanark	1903	172.5	2.0	36.7	....	1,005,185.93	427,793.42
Leeds and Grenville	1910	359.7	2.0	64.8	2.0	1,141,948.84	445,002.28
Lennox and Addington	1906	111.8	....	71.5	....	573,385.20	242,375.56
Lincoln	1904	165.0	13.5	....	....	2,038,889.73	793,526.61
Middlesex	1906	417.0	26.0	48.0	9.0	1,445,230.01	563,886.90
Norfolk	1917	208.0	....	27.5	....	1,096,224.28	489,247.37
Northumberland and Durham	1918	259.0	....	105.0	....	543,102.51	249,482.61
Ontario	1918	157.6	....	60.8	....	510,316.47	227,772.51
Oxford	1904–7	255.2	....	31.2	....	1,258,670.80	471,430.35
Peel	1906	137.0	....	....	....	925,283.25	351,024.63
Perth	1907	205.3	....	36.0	....	701,163.50	273,660.78
Peterboro	1919	198.7	15.0	36.0	2.6	173,321.72	72,314.84
Prescott and Russell	1917	224.0	....	8.0	....	2,277,245.67	981,875.66
Prince Edward	1907	97.5	....	32.0	....	754,379.20	289,519.12
Renfrew	1918	172.5	....	40.0	....	1,353,657.69	648,117.40
Simcoe	1903	346.4	....	94.3	....	1,591,732.51	652,819.14
Stormont, Dundas and Glengarry	1917	292.5	....	122.0	....	2,405,699.90	1,151,499.22
Victoria	1917	143.0	....	80.0	....	603,535.96	292,904.46
Waterloo	1908	141.8	13.0	36.5	7.0	938,874.21	413,118.53
Welland	1912	113.0	9.0	43.5	....	2,126,653.93	899,884.93
Wellington	1903	273.3	9.5	59.2	5.5	1,225,338.94	492,769.10
Wentworth	1902	132.0	26.0	34.0	7.0	1,518,281.99	596,068.73
York	1911	....	141.4	....	44.0	3,391,272.93	1,404,546.00
		7356.5	400.5	1905.0	150.0	45,220,294.61	19,500,162.24

BRANT COUNTY

On the Ava road, adjoining the city of Brantford, one-half mile of concrete pavement 18 feet in width was constructed. The Van Horne bridge, consisting of one 80-foot span with steel superstructure, was built at a cost of $7,475.00.

BRUCE COUNTY

On the Chesley-Tara road, approximately 2 miles of waterbound macadam road 16 feet in width were built. On the Hanover-Walkerton road, approximately 5½ miles of gravel road 14 feet in width were constructed. On the Tiverton-North Bruce road, 9 miles were graded and gravelled 28 feet and 16 feet wide respectively. The Centre road through the swamp in Eastnor township was completed, a gravel top being placed on a rubble stone foundation. In a series of sections, varying in length from 2 to 5 miles, 19 miles of road were gravelled and approximately 100 miles of road graded to 24 feet in width. The Allenford bridge, consisting of a 90-foot concrete arch truss, was the largest bridge built during the year.

Ontario Provincial Highways
The one-team steel drag is continually used to maintain gravel surfaces.

CARLETON COUNTY

On the Ottawa-Morrisburg road, known locally as the Metcalfe Road, the work of laying a waterbound macadam base course was continued, and approximately 5 miles of this construction was completed. In addition, 3 miles of bituminous macadam surface 16 feet in width were laid. On the Richmond Road extending south-westerly from Bell's Corners, 3 miles of bituminous macadam 14 feet in width were constructed and the grade widened to a width of 24 feet. Approximately 23 miles of waterbound macadam road were constructed in a series of sections varying in length from 2 to 4 miles. A 60-foot span steel superstructure known as the Porteous bridge was the largest bridge built during the year.

ELGIN COUNTY

The Stalter Gully bridge on County Road No. 42 in the township of Malahide was completed. The span is 304 feet supported on a steel tower resting on steel cylinders filled with concrete and driven to a firm foundation. This bridge was constructed on a quicksand foundation of a very treacherous nature. The chief feature, however, in this county is the maintaining of gravel roads, which are kept in excellent shape at a very low expenditure. During the year approximately 150 miles of road were resurfaced with gravel.

ESSEX COUNTY

On the Front Road, Sandwich West, approximately 1½ miles of concrete pavement 18 feet in width were laid from Turkey Creek southerly. From the village of Harrow easterly, 2 miles of concrete pavement 18 feet in width were laid and the grade widened to 28 feet. On the Tecumseh Road, the existing 18 foot concrete pavement was extended 3 miles from Rourk's Line easterly to the C.N.R. railway at Puce. The county of Essex built approximately 10 miles of concrete pavement during the year. In addition, 42 miles of gravel roads were constructed in a series of sections varying in length from 3 to 6 miles at a width of 12 feet.

Windsor-Talbotville Provincial Highway
Cement concrete pavement between Maidstone and Windsor.

GREY COUNTY

The Owen Sound-Meaford road for its entire length of 22 miles was surface treated with tar and sand. In addition, approximately 14 miles of gravel roads were built, and the grade widened to 24 feet.

HALDIMAND COUNTY

The outstanding feature was the grading of approximately 50 miles of road 24 feet in width, which now almost completes the grading of the County Road System. Approximately 15 miles of this fresh grading was resurfaced with crushed stone or gravel for a width of 12 feet. The McKenzie Creek bridge, consisting of a 50-foot span reinforced concrete structure with a 20-foot clear roadway, was built.

HALTON COUNTY

An 18-foot concrete pavement was built on the county road extending southerly from the village of Bronte to the lake, and on the continuation northerly of this road a 10-foot concrete pavement with 3-foot macadam shoulders was built for a distance of approximately one and one-half miles.

HURON COUNTY

In a series of sections, varying in length from 2 to 5 miles, approximately 27 miles of road were surfaced with gravel, and the grade widened to at least 24 feet. In addition, 25 reinforced concrete slab culverts were built.

KENT COUNTY

On the Wallaceburg-Dresden road, 5.25 miles of concrete pavement 16 feet in width were laid. This completes the concrete pavement extending between these two towns, a distance of approximately 12 miles. The 16-foot concrete pavement on the Dresden-Thamesville road was extended westerly a distance of 1.75 miles. On the Paincourt Road the 16-foot concrete pavement was extended approximately one mile, completing the concrete pavement from the village of Paincourt to the city of Chatham. In all, the County of Kent built 12.25 miles of concrete pavement during the year. In addition, approximately 25 miles of roads were gravelled for a width of 12 feet and graded to a width of 24 feet.

Sarnia-London Provincial Highway
Cement concrete pavement extending easterly from Sarnia.

LAMBTON COUNTY

Approximately 2 miles of 18-foot concrete pavement were built from the southerly boundary of the county on the road known as the Wallaceburg-Sarnia road, the pavement being an extension of the concrete pavement built by the County of Kent. In addition, 18 miles of gravel roads were constructed in stretches varying in length from 1 to 4 miles and 46 reinforced concrete slab culverts were built during the year. The existing gravel roads to the extent of 75 miles were resurfaced for a width of 10 feet.

LANARK COUNTY

On the Perth-Lanark road extending northerly from the village of Balderson 2.5 miles of bituminous macadam road were laid, this being an extension of the bituminous macadam road laid in 1921. In addition, 2 miles of bituminous macadam road were built on the county road extending northerly from the town of Carleton Place. In a series of sections approximately 16 miles were constructed, consisting of 12 miles of water-bound macadam and 4 miles of gravel.

LINCOLN COUNTY

In a series of sections, varying in length from 3 to 7 miles, 19 miles of water-bound macadam road from 10 to 18 feet in width were built and the grade widened to 24 feet. In addition, 5½ miles of bituminous macadam road, 16 feet wide, were constructed.

MIDDLESEX COUNTY

Eighteen miles of gravel road were built, and 20 miles graded to a width of 24 feet. In addition, approximately 250 miles of gravel road were resurfaced. Nine bridges varying in span from 10 to 20 feet were built. The Brissley Bridge, consisting of 2 skew spans of 75 feet each was the largest bridge constructed.

NORFOLK COUNTY

On the Simcoe-Waterford road, 2.25 miles of bituminous macadam surface were laid extending northerly from the limits of the town of Simcoe. In addition, 2 miles of a similar pavement were laid northerly from the village of Port Rowan, and a water-bound macadam base laid for a further distance of 1½ miles, which will be resurfaced with a bituminous macadam top in 1923.

ONTARIO COUNTY

On sections of the County Road System varying in length from 3 to 5 miles, approximately 23 miles of road were graded to a width of 24 feet; several excessive grades being reduced.

OXFORD COUNTY

Approximately 28 miles of road were resurfaced with crushed gravel. In addition, 22½ miles of tile under-drains were laid.

PEEL COUNTY

In a series of sections varying from 2 to 5 miles in length, approximately 22 miles of gravel road were built.

COUNTIES OF PRESCOTT AND RUSSELL

On the Vankleek Hill-St. Eugene road, the present bituminous macadam pavement was extended 2.5 miles. In addition, approximately 34 miles of water-bound macadam road 10 feet wide were constructed. During the year 80 miles of road were graded to a width of 24 feet with adequate provision made for drainage. The La Fleche bridge in the village of Casselman consisting of 3 spans of 100 feet each, and a 90-foot span on County Road No. 4, township of East Hawkesbury, were the two most important bridges built during the year. Eight bridges varying in span from 10 to 18 feet were also built.

PRINCE EDWARD COUNTY

Approximately 12 miles of water-bound macadam road were built 10 feet in width and graded to a width of 22 feet.

RENFREW COUNTY

Approximately 40 miles of water-bound macadam and gravel roads were constructed in a series of sections varying from 3 to 5 miles in length. The material used was chiefly crushed field stone. The material as a rule is hauled to the road during the winter and crushed when the work is in progress.

SIMCOE COUNTY

The outstanding piece of work carried out in this county was the building of approximately 5 miles of gravel road between the villages of Singhampton and Maple Valley. The grade was widened to 28 feet and gravelled for a width of 16 feet; the grades were reduced to a minimum.

COUNTIES OF STORMONT, DUNDAS AND GLENGARRY

In a series of sections, varying in length from 3 to 6 miles, approximately 45 miles of water-bound macadam road 10 feet in width were constructed.

Hamilton-Kitchener Provincial Highway
Cement concrete surface, twenty feet wide, between Kitchener and Preston.

VICTORIA COUNTY

Approximately 2.50 miles of bituminous macadam road 16 feet in width were built; one-half mile on the road between Oakwood and Sonya and the remaining 2 miles on the Lindsay-Fenelon Falls road. On the Lindsay-Omemee road, approximately 2 miles of water-bound macadam base course were laid 16 feet in width, and it is anticipated that this will be resurfaced with a bituminous macadam top in 1923. In addition, 14 miles of road were graded to a width of 24 feet. The reduction of excessive grades was also given attention. A twelve per cent. grade through solid rock was reduced to a seven per cent. at a cost of approximately $8,000; and Crawford's Hill, near the village of Omemee, was reduced from a sixteen per cent. to a seven per cent. at a cost of approximately $11,000. In addition to the reduction of grades, special attention has been given to the improving the alignment of the road, especially at sharp and dangerous corners.

WATERLOO COUNTY

Approximately 3.50 miles of concrete pavement 16 to 20 feet in width were built; 2 miles being built on the Kitchener-Elmira road, and one-half mile on the Galt-Hespeler road south from Hespeler. Smaller stretches of pavement were built through the villages of Linwood, Hawkesville and West Montrose. Bridge construction consisted of a 100-foot span steel superstructure on the Baden-Wellesley road and one 30-foot span.

WELLAND COUNTY

On the Garrison Road 2 miles of bituminous macadam road, 16 feet in width, were constructed, this being a continuation of a similar pavement constructed in 1921. On the River Road extending west from Beckett's bridge, approximately 6 miles of water-bound macadam road 16 feet wide were constructed. In addition, approximately 15 miles of water-bound macadam road 9 feet in width were constructed on several of the other county roads. Approximately 40 miles of road were graded to a width varying from 24 to 28 feet.

Hamilton-Guelph Provincial Highway
Bituminous macadam surface between Clappison's Corners and Black's Corners on the townline between East Flamboro and West Flamboro Townships.

WELLINGTON COUNTY

The outstanding piece of work carried out in this county during the year was the building of the Belwood bridge, consisting of a steel superstructure of 150 foot span. In addition, 12 smaller reinforced concrete bridges varying in span from 20 to 80 feet were constructed.

WENTWORTH COUNTY

On the Binbrook Road, 1.6 miles of concrete pavement 10 feet wide with 3 foot macadam shoulders were constructed. In addition, approximately 13 miles of water-bound macadam road 10 feet in width and graded to a width of 24 feet were constructed.

GENERAL

The work in the remaining counties consisted chiefly of reshaping and maintaining the existing roads, building permanent structures and otherwise preparing for future work.

SUBURBAN ROADS

The co-operation of cities has been secured in the construction and maintenance of the leading county roads radiating from the cities under a system of Suburban Roads as provided by the Ontario Highways Act.

Eighteen cities of the 21 within the organized counties of the Province are now paying towards the construction and maintenance of county suburban roads. In addition to these cities, the town of Smith's Falls is also contributing towards the cost of improving county roads in the vicinity of that town. The nineteen Commissions appointed have assumed 551 miles of road, the expenditure on which in 1922 amounted to $1,574,691.41, of which the cities paid $420,155.95.

The three cities which have not yet contributed towards the cost of the county roads are Stratford, Belleville and Woodstock, but it is expected that these cities will co-operate with the counties in the near future in improving the leading roads adjacent to the cities.

During the year, a Commission has been appointed to define the suburban roads adjacent to the town of Walkerville, but no mileage has been assu rr

Kingston-Quebec Boundary Provincial Highway
A scenic section of the Provincial Highway along the St. Lawrence River. Waterbound macadam with bituminous surface treatment.

The main features of construction work carried out on suburban roads during 1922 are as follows:

TORONTO AND YORK ROADS COMMISSION

The City of Toronto contributes to the entire County Road System; the direction of the work, however, is under the control of the Commission. On the Sutton Road extending south from Queensville, an asphaltic concrete pavement 18 feet wide on a macadam base was built. North of Queensville a gravel road was built 2½ miles in length and 16 feet in width. On the road extending west from the village of Sutton, 2 miles of water-bound macadam road 18 feet in width were laid. On the Lansing sideroad, one mile of asphaltic concrete pavement was built. In addition, three other stretches of asphaltic concrete pavement 2 miles in length were built on other parts of the system. In a series of sections, varying in length from one-half mile to one and one-half miles, approximately 6 miles of 16-foot bituminous macadam road were built;

also, in stretches varying from one-half to 3½ miles in length, approximately 15½ miles of water-bound macadam road 15 feet in width were built. The superstructure of the Cronsberry bridge was completed at a cost of $9,148.00; the building of this bridge was commenced in 1921. In addition, 6 bridges varying in span from 15 to 22 feet were built.

OTTAWA SUBURBAN ROADS COMMISSION

On the Ottawa-Morrisburg road, locally known as the Metcalfe Road' approximately 3 miles of asphaltic concrete pavement 20 feet wide were laid on a macadam foundation. This type of pavement was also laid on a part of the Richmond and Merrivale Roads, approximately 1 mile on the Richmond Road and 0.8 miles on the Merrivale Road. A bituminous macadam road 18 feet in width was built at the westerly end of the Richmond Road. A macadam road 18 feet in width was laid on the Russell Road for a length of 4 miles. The remaining mileage of the system, consisting of macadam roads, were given a surface treatment of oil and kept in excellent shape by constant maintenance.

TORONTO AND HAMILTON HIGHWAY
One of the two bridges constructed by the City of Hamilton, on the entrance of the Toronto and Hamilton Highway and the Hamilton-Guelph Provincial Highway into the City of Hamilton.

HAMILTON SUBURBAN ROADS COMMISSION

On the Binbrook Road, 1.25 miles of concrete pavement 9 feet wide with 4-foot macadam shoulders were built.

LONDON SUBURBAN ROADS COMMISSION

The pipe line road extending from the city limits of London to Springbank Park was graded for a width of 28 feet and for a length of 2 miles in preparation for a concrete pavement to be built in 1923.

BRANTFORD SUBURBAN ROADS COMMISSION

On the Burford Road 2.5 miles of 9-foot concrete pavement with a 10-foot strip of gravel road adjoining were laid. In addition, hill cutting and grading were carried out on the Cockshutt Road.

WINDSOR SUBURBAN ROADS COMMISSION

Approximately 2.5 miles of concrete pavement 18 feet in width were built on the Tecumseh Road extending from Little River to the C. N. Railway crossing at Tecumseh.

OWEN SOUND SUBURBAN ROADS COMMISSION

On the suburban road within the township of Derby, approximately 1.25 miles of concrete pavement 9 feet in width were built, with 4-foot macadam shoulders adjoining.

CHATHAM SUBURBAN ROADS COMMISSION

On the Chatham-Wallaceburg road 1.5 miles of 18-foot concrete pavement were laid and the road graded to a width of 28 feet.

KITCHENER SUBURBAN ROADS COMMISSION

On the Kitchener-Bridgeport Road a concrete pavement 20 feet in width and 850 feet in length was built. In addition, a retaining wall and a 6-foot concrete slab culvert were built in the village of Bridgeport.

GALT SUBURBAN ROADS COMMISSION

On East Main Street, 1,200 feet of asphaltic concrete pavement 20 feet in width were built.

NIAGARA FALLS SUBURBAN ROADS COMMISSION

Approximately 4 miles of bituminous macadam road 18 feet in width were built, one section extending from the city of Niagara Falls to the village of Chippawa, and a short section from the city of Niagara Falls northerly to the Provincial Highway.

WELLAND SUBURBAN ROADS COMMISSION

On the Crowland Road, 2.5 miles of bituminous macadam 16 feet in width were constructed westerly from the city of Welland and on the Fonthill Road approximately 2 miles of bituminous macadam surface were built.

TOWNSHIP ROADS

Township councils, in the earlier history of the Province, depended solely on statute labour for road improvement, no doubt a wise course to adopt in those days, but with the change in traffic conditions on our roads within the present decade it has been found that statute labour is not a sound basis on which to build or maintain the majority of our roads. Money expenditure, raised by general levy on the township assessment, has been steadily increasing. In 1913 the expenditure on township roads within the organized counties was in the neighbourhood of $2,000,000, while in 1922 approximately $4,000,000 was expended. The influence of the war on township road expenditure was very apparent during the years 1915, 1916, 1917 and 1918. The expenditure per year during these years was approximately $1,000,000 less than each of the previous years 1913 and 1914. Scarcity of farm labour together with the high cost of material rendered it necessary to limit road work throughout these years. With a return to normal conditions in 1919, we again saw increased expenditure being made by the majority of the townships.

In 1922, 313 townships, or 84.0 per cent. of the townships eligible for the Provincial subsidy, as provided in The Ontario Highways Act, 1920, passed the necessary by-laws and fulfilled the requirements of the Act, and expended $3,092,304.53 on the improvement of township roads, on which the Province paid $618,460.91. All townships that are not receiving aid under the Colonization Roads Act are entitled to pass by-laws and receive the aid as provided in the Ontario Highways Act. The Act provides that a subsidy of 20 per cent. will be paid on the cost of construction, maintenance, bridges and machinery, and a subsidy of 40 per cent. of the expenditure on superintendence. In 1922 the expenditure on superintendence amounted to $77,801.44, of which the Province paid $31,120.57.

SOUTH DORCHESTER TOWNSHIP ROAD

A well graded and gravelled road constructed by the Township of South Dorchester in Elgin County.

In 1920, the first year in which the Provincial subsidy of 20 per cent. was available, 184 townships passed the necessary by-laws and took advantage of the Government aid. In 1921, 294 townships passed by-laws and, as mentioned above, 313 townships passed by-laws in 1922, and it is expected that in 1923 this number will be further increased. The Government subsidy is very much appreciated by the township councils, the majority of which are exceedingly anxious to adopt a system for the betterment of road conditions.

Apart from the actual financial aid to townships, one of the chief merits of this assistance is that it is enabling the Department to bring definite organizing and technical advice to the township council, which advice has been very much appreciated by the townships in which this assistance has been given. With the aid of the subsidy from the Province, coupled with the growth of the County

Road System relieving the townships from the task of financing the more heavily travelled roads, the betterment of township road conditions is looked for. At this date, marked improvement is noticed in many townships, particularly in bridge and culvert construction, the elimination of dangerous curves, widening of roads where traffic demands, and the method of keeping road accounts. Generally speaking, the method of keeping account of road expenditures in many townships has been found to be inadequate. The treasurer or road superintendent has in these townships an unenviable task of endeavouring to segregate road expenditures and of distributing them to the roads on which the expenditure was made, in compliance with the requirements of the Department. A standard system of road accounting for the township is of vital importance, and the Department of Highways has prepared a simple form for keeping such accounts and has appointed Clerical Inspectors for the purpose of laying the matter before the township officials. These inspectors have been appointed, not for the purpose of criticising the accounting system, but as a guide and assistance to the township officials in establishing a proper system, and for the purpose of obtaining for the Department accurate information with respect to road expenditure.

Out of the 374 townships which are eligible for the Provincial subsidy under the Ontario Highways Act, we find that 204 townships, or 55 per cent., have abolished or commuted Statute Labour, and it is confidently expected that many other townships will in the near future abandon the old system of doing road work. The subsidy of 20 per cent. is paid on the cash expenditure made by the township; in other words, the expenditure on work carried out under the Statute Labour system is not eligible for this grant.

The services of the engineers of this Department are at the disposal of the township councils and officials at all times, and the township officials are advised to get in touch with the Department in all matters pertaining to road improvement. It is the desire of the Department to render assistance where most needed and to co-operate at all times with the councils and officials in endeavouring to establish a system for the betterment of township road conditions throughout the Province.

TRAFFIC AND ROAD DESIGN.

Choices of designs of roads and road surfaces must be made with careful consideration of not only the immediate increase in traffic that will follow road improvement, but there must always be kept in mind the ultimate traffic that the road will eventually be called upon to serve. Traffic must be considered from three distinct viewpoints. First, existing traffic; second, immediate future traffic, i.e., the traffic that will immediately concentrate upon the improved road from adjacent parallel roads; and third, the potential traffic, or the traffic that will originate from within an area served by the improved road as a result of the increase in population or industrial activity consequent upon such improvement. Experience has shown that the construction of a substantial surface on a main road brings, as a direct result, an increase in settlement along the road. While true in all districts, it is particularly noticeable in the areas adjacent to cities and towns. Probably the most outstanding example of this, in Ontario, is the increase in population which followed the construction of the Toronto and Hamilton Highway in the years 1915, 1916 and 1917. Not only has the through traffic between the two cities increased, but the local traffic originating from the communities that have sprung up has swelled the volume of traffic on the road to a degree exceeding all expectation.

Traffic counts are, therefore, of inestimable value in furnishing information regarding not only the extent but also the character of traffic that a road is required to carry. A census of the traffic is obtained by stationing observers at points along the road, who record under the proper classification all vehicles passing the observing station in both directions. Since traffic varies from day to day, it is customary to extend the period of observation over an entire week, including a national holiday, such as Labour Day. This enables the maximum daily traffic to be determined.

In the year 1914, a traffic census was taken by the Department on the main roads of the Province, most of which were County Roads and which had for the most part been improved. Counts were taken at 210 points, chiefly on roads leading from the cities. Traffic was classified under the following:—

1-horse light vehicles
1-horse heavy vehicles
2-horse light vehicles
2-horse heavy vehicles
Runabout motor cars
Touring motor cars
Motor trucks.

A detailed report of the results of this census was published in the Annual Report of the Department for 1915.

TRAFFIC CENSUS IN 1922.

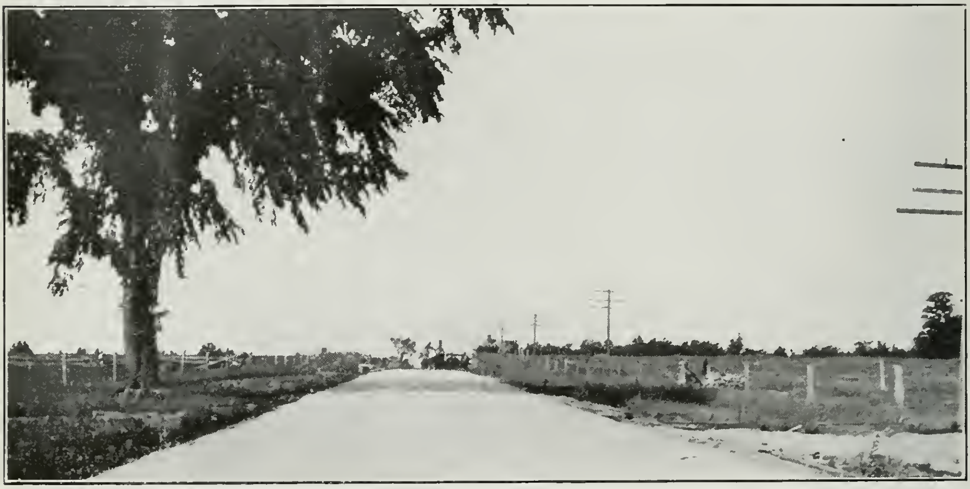
The number of motor vehicles registered in Ontario has increased from 31,724 in 1914 to 239,296 in 1922, an increase of 655.0 per cent. Counties and townships have made a great advance in the improvement of their roads, the county road mileage increasing from 4,125 miles in 1915 to 9,812 in 1922. In addition, Provincial Highways comprising 1,823 miles have been assumed and largely improved by the Province. A heavy increase in traffic would therefore be expected, particularly on the Provincial Highways to which the county and township roads are feeders.

In order to determine the increase in traffic on the Provincial Highways, which has taken place as a result of the causes mentioned, a general census was taken during the last days of August and the first days of September, 1922. Observers were stationed as far as possible at the same points as in 1914, in order to enable comparisons to be made with the 1914 census. In addition, observations were made at points distant between the cities, these giving the count of the through traffic. Ninety-two stations were established, forty-five being located as in 1914 and forty-seven where no previous census had been obtained. While the 1914 census was taken for a period of 12 hours from 7 a.m. to 7 p.m., in 1922 it was necessary, owing to the prevalence of night traffic, to extend the time from 6 a.m. to 10 p.m.

One important factor that must be borne in mind when considering the figures obtained in 1922 is the influence on traffic of the construction work then being carried out on the Provincial Highways. On most of the roads, grading and surfacing was being done, and traffic was, of necessity, diverted to adjacent county or township roads. As a result, a considerable amount of traffic left the Provincial Highways and did not return to them before passing the observing stations. While the observation points were chosen with a view to avoiding this factor as much as possible, there is no doubt that, at some points at least, the amount of traffic was considerably less than it would have been had there been no disturbance due to construction operations.

Details of the result of the counts at the above points are shown in Appendix No. 6 of this report. Mention might be made, however, of the enormous increase in traffic on the Toronto and Hamilton Highway at Long Branch Park. In 1914 the average daily traffic was 286.8, the maximum in one day being 382. In 1922, at the same point, the average daily was 8,236.4, with a maximum on Labour Day of 12,296. Trucks in 1914 numbered 14.4 per day and in 1922 there were 328.3 per day.

On the Hamilton-Queenston road at Fruitland in 1914 the count gave an average daily traffic of 189.0 vehicles, with a maximum of 236.0 vehicles. In 1922 at the same point the average daily traffic was 2,849.8 and the maximum daily 5,029 vehicles. The uniformity in the volume of traffic over this road is deserving of notice, the average daily at three points being 2,849.8, 2,318.1 and 2,341.7 vehicles, respectively.



Ottawa-Kingston Provincial Highway
Asphaltic concrete surface under construction west of Ottawa.

On the Ottawa-Prescott road, at the junction with the Ottawa-Kingston road, the average daily traffic in 1914 was 94.4, as compared with 530.3 in 1922, and on the Ottawa-Point Fortune road the count, near Ottawa, gave a daily average of 1,143.3 in 1922 as compared with 203.0 in 1914.

At Lambeth on the Lambeth-Maidstone road in 1914, there was a daily average of 102.0 and in 1922 the daily average was 1,026.3.

COMPARISON WITH TRAFFIC IN NEW YORK STATE.

Statements are frequently made that in Ontario the traffic on the main roads does not attain such a large volume as that on the roads in the United States. A comparison between the traffic on the more heavily travelled Provincial Highways and some of the New York State roads would seem to indicate that some roads in Ontario, at least, are called upon to carry as much traffic as the more heavily travelled roads in New York State. During the month of August in 1922, at approximately the same time as the census in Ontario, a traffic census was taken on the roads in New York State, and while only a 12-hour period was covered by the census, as compared with a 16-hour period in Ontario, a comparison shows that the traffic on some Provincial Highways is of approximately the same magnitude as that on the main roads in New York State.

On the State Highway between Buffalo and Niagara Falls, N.Y., he average daily traffic was 2,519 vehicles. On the Hamilton-Queenston Provincial Highway, which connects with the above road at Niagara Falls and at Queenston, an average daily traffic of 2,342 was observed at a point west of the city of St. Catharines. The heaviest average daily traffic recorded in the vicinity of Rochester was 5,290. This was on the road leading from Rochester to Fairport. In comparison with this the traffic on the Toronto and Hamilton Highway at a point 1½ miles east of the city of Hamilton might be considered. This reached an average of 5,937 vehicles per day.

On only two roads in New York State was there an average daily traffic greater than that on the Toronto and Hamilton Highway past Long Branch Park, which was 8,236 vehicles per day. These roads are immediately adjacent to the city of New York and the average traffic was 13,296 and 13,489 vehicles per day respectively.

While making the above comparisons, mention must be made of the uniformly heavy traffic on all the main roads in the State of New York. Between Syracuse and Utica the minimum average daily traffic was 2,021, and between Syracuse and Watertown the daily average did not fall below 1,509. The State of New York has been improving its main and secondary roads for a number of years and the heavy traffic observed leading to outlying points is an indication of what will no doubt take place in Ontario, following the construction of improved surfaces on the Provincial Highways, County and Township Roads.

It will be seen from the above figures, as well as from the detailed report following, that the construction of roads in Ontario must be carried on with a full realization of the enormous increase in the traffic which these roads will be called upon to carry, and the probable future development of traffic, as indicated from the experiences of the past, cannot be neglected and must not be underestimated.

REGISTRATION OF MOTOR VEHICLES.

The number of motor vehicles registered in the Province is fully keeping pace with expectations. The following table shows the registration in Ontario for the years 1904 to 1922 inclusive. From the figures given it is evident that the number of motor vehicles registered in the Province has doubled during the past four years and has almost trebled since 1917.

The relation of the number of motor cars in the Province to the population of the Province is interesting. The population of Ontario as given by the Dominion Census of 1911 was 2,527,292. During that year there were registered in the Province of Ontario a total of 11,339 motor vehicles or 1 motor vehicle for every 223 of population, or 4.5 motor vehicles per thousand.

The population of Ontario according to the Federal Census of 1921 was 2,933,662 and the number of motor vehicles registered during that year was 206,521. This is on the basis of one motor vehicle for every 14.5 of population or 70 motor vehicles per thousand of population, which is 15½ times as many per thousand of population as were registered in 1911.

Prior to the year 1916 all commercial vehicles and passenger cars were registered together. Commencing with 1916, separate markers were issued for commercial cars and in that year 2,786 were registered. In 1922 there were 24,164 commercial cars, or approximately ten times as many as in 1916. This indicates the rapid increase in the use of motor trucks in the handling of merchandise, etc., in Ontario.

MOTOR VEHICLE REGISTRATION FOR THE YEARS 1904-1922 INCLUSIVE

Year	Passenger cars	Commercial cars	Motorcycles	Totals
1904	535	......	......	535
1905	553	......	......	553
1906	1,176	......	......	1,176
1907	1,530	......	......	1,530
1908	1,754	......	......	1,754
1909	2,452	......	......	2,452
1910	4,230	......	......	4,230
1911	11,339	......	......	11,339
1912	16,266	......	1,754	18,020
1913	23,700	......	2,900	26,500
1914	31,724	......	3,633	35,357
1915	42,346	......	4,174	46,520
1916	51,589	2,786	4,287	58,662
1917	78,861	4,929	5,180	88,970
1918	101,845	7,529	5,002	114,376
1919	127,860	11,428	5,516	144,804
1920	155,861	16,204	5,496	177,561
1921	181,978	19,554	4,989	206,521
1922	210,333	24,164	4,799	239,296

REPORT ON PROVINCIAL HIGHWAYS

BY THE CHIEF ENGINEER

TORONTO, January 30th, 1923.

W. A. McLEAN, ESQ.,
Deputy Minister of Highways, Ontario.

DEAR SIR:—

I have the honour to report upon the work of constructing and maintaining the Provincial Highway System in the Counties of Ontario for the year beginning December 1st, 1921, and ending December 31st, 1922.

On December 1st, 1921, the system comprised a total mileage of 1,765.80 miles. During the year the system was extended by adding 81.89 miles assumed as shown on Map No. 1, less 10.85 miles reverted, making a total assumed of 1,836.84 miles, as shown on Map No. 2. A list of the roads added to the system, together with the mileage and date of designation, is as follows:—

PROVINCIAL HIGHWAYS ASSUMED IN 1922

County	Date of Designation	Municipality	Mileage	Total Mileage
Brant	26th of October, 1922	Paris Town	.48	.48
Carleton	28th of January, 1922	Nepean	1.27	.....
	28th of January, 1922	North Gower	.34	1.61
Durham	25th of February, 1922	Bowmanville Town	.06	.....
	29th of July, 1922	Hope	2.61	.....
	23rd of September, 1922	Newcastle Village	.32	2.99
Essex	17th of October, 1922	Essex Town	1.15	1.15
Frontenac	16th of November, 1921	Pittsburg	20.00	20.00
Grenville	16th of September, 1922	Prescott Town	.25	.25
Kent	6th of June, 1922	Thamesville Village	.73	.73
Lennox and Addington	28th of November, 1921	Napanee Town	.14	.14
Lincoln	1st of July, 1922	Beamsville Village	.67	.....
	1st of July, 1922	Grimsby Village	.55	1.22
Norfolk	8th of August, 1922	Simcoe Town	.12	.12
Ontario	14th of January, 1922	Whitby	9.29	.....
	14th of January, 1922	Reach	12.73	.....
	14th of January, 1922	Brock	11.00	.....
	17th of June, 1922	Whitby Town	.88	33.90
Oxford	1st of July, 1922	Ingersoll Town	.60	.60
Perth	10th of June, 1922	Mitchell Town	.30	.30
Prescott		L'Orignal Town	.55	.....
	4th of November, 1922	L'Orignal Town	.15	.70
Renfrew	17th of June, 1922	Pembroke Town	.57	.....
	18th of November, 1922	Renfrew Town	.36	.93
Simcoe	17th of January, 1922	Barrie Town	1.77	.....
	15th of August, 1922	Bradford Village	.22	.....
	28th of January, 1922	Orillia Town	1.25	3.24
Victoria	14th of January, 1922	Mariposa	8.71	.....
	14th of January, 1922	Ops	3.87	12.58
Waterloo	27th of November, 1922	Dumfries North	.46	.46
Wellington	5th of July, 1922	Fergus Village	.49	.49
				81.89

Reversions from December 1st, 1921, to December 31st, 1922

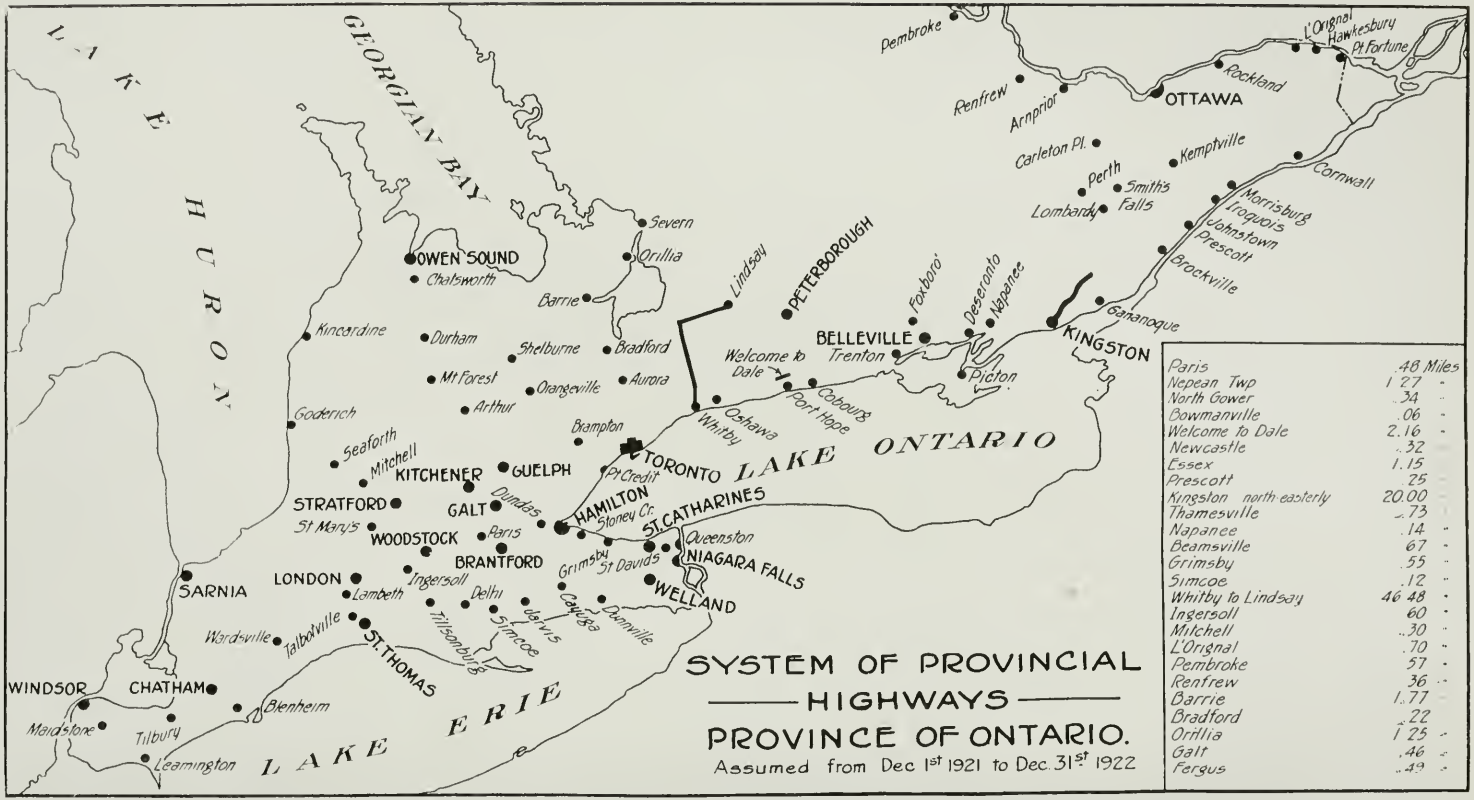
County	Municipality	Mileage	Total mileage
Carleton	Nepean	2.19	
	Huntley	7.65	
	North Gower	.70	
	Ottawa City	.31	
			10.85

The highways added to the system during the year are shown with their location on Map No. 1.

A continuation of construction of paved roads in the suburban areas adjacent to cities was carried out, while macadam surfaces, macadam base courses and gravel roads were proceeded with to link up and connect the different parts of the system.

Gravel road maintenance, using thin layers of gravel and frequent dragging, resulted in a smooth surface being kept in good condition for travel. To prevent the dust nuisance on gravel roads during dry summer weather, calcium chloride was applied as an experiment to several sections with good results.

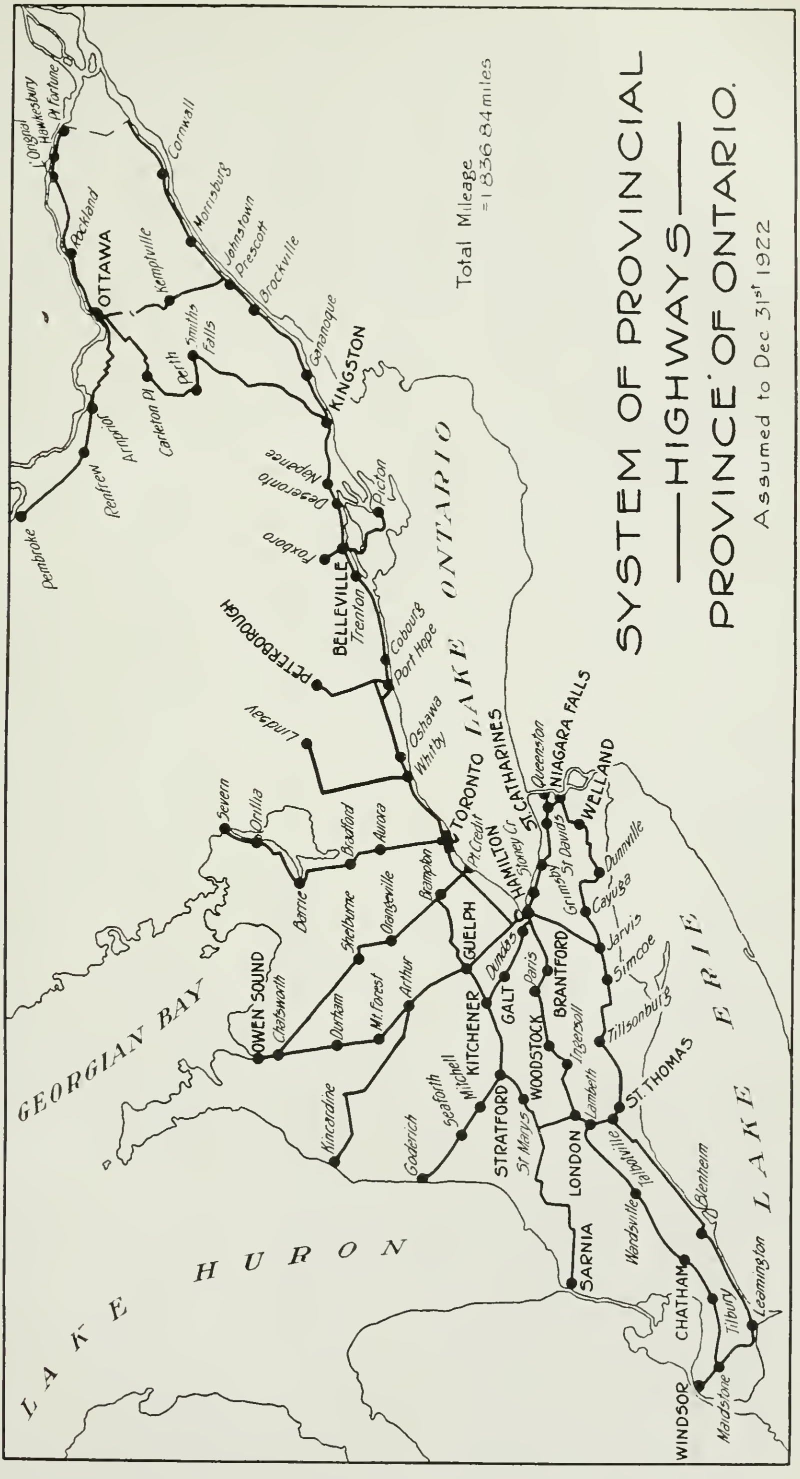
A summary of the work done in the various counties is as follows:—



SYSTEM OF PROVINCIAL
HIGHWAYS
PROVINCE OF ONTARIO.
Assumed from Dec 1st 1921 to Dec. 31st 1922

Paris	.48 Miles
Nepean Twp	1 27 "
North Gower	.34 "
Bowmanville	.06 "
Welcome to Dale	2.16 "
Newcastle	.32
Essex	1.15
Prescott	.25
Kingston north-easterly	20.00
Thamesville	.73
Napanee	.14 "
Beamsville	67 "
Grimsby	.55 "
Simcoe	.12 "
Whitby to Lindsay	46 48 "
Ingersoll	60 "
Mitchell	.30 "
L'Orignal	.70 "
Pembroke	57 "
Renfrew	36 "
Barrie	1.77
Bradford	.22
Orillia	1 25 "
Galt	.46 "
Fergus	.49 "

MAP No. 1.


SYSTEM OF PROVINCIAL
—HIGHWAYS—
PROVINCE OF ONTARIO.
Assumed to Dec 31st 1922
Total Mileage
=1836.84 miles
LAKE ONTARIO
LAKE ERIE
LAKE HURON
GEORGIAN BAY
L'Orignal
Hawkesbury
Pt Fortune
Rockland
OTTAWA
Cornwall
Morrisburg
Johnstown
Prescott
Brockville
Kemptville
Smiths Falls
Perth
Carleton Pl
Arnprior
Renfrew
Pembroke
Gananoque
KINGSTON
Napanee
Deseronto
Picton
Foxboro
BELLEVILLE
Trenton
Cobourg
Port Hope
PETERBOROUGH
Lindsay
Oshawa
Whitby
TORONTO
Pt Credit
Severn
Orillia
Bradford
Aurora
Barrie
Brampton
Shelburne
Orangeville
OWEN SOUND
Chatsworth
Durham
Mt Forest
Arthur
GUELPH
HAMILTON
Stoney Cr
ST CATHARINES
Queenston
NIAGARA FALLS
St Davids
WELLAND
Grimsby
Dunnville
Cayuga
Jarvis
Simcoe
Dundas
Paris
BRANTFORD
GALT
KITCHENER
Tillsonburg
Ingersoll
WOODSTOCK
STRATFORD
Mitchell
Seaforth
Goderich
Kincardine
St Marys
LONDON
Lambeth
ST THOMAS
Talbotville
Wardsville
Blenheim
SARNIA
CHATHAM
Tilbury
Leamington
Maidstone
WINDSOR

Map No. 2.

CONSTRUCTION COMPLETED ON PROVINCIAL HIGHWAYS, 1922

County	No. of Poles moved.	No. of Culverts built.	No. of Bridges built.	Miles of Grading.	Miles of Gravelling.	Miles of W.B. Macadam Base.	Miles of W.B. Macadam 2-course.	Miles of Bit. Macadam.	Miles of Asphaltic Concrete.	Miles of Concrete Pavement.	Lin. feet of Guard Rail.	No. of Trees Planted.	Lin. feet of Storm Sewers laid.	Miles of Cobble Base.	Miles of Surface Treatment.	Miles of Gravel Road Mtce.	Miles of Clay Road Mtce.	Miles of Macadam Rd. Mtce.	Miles of Sand Road Mtce.	Miles of Old Fence moved back.	Miles of New Fence erected.
Brant	315	1		5.2	8.57						1,039.5	869	3,081			8.67				5.32	1.38
*Brant and Oxford					2.5	0.9					495.0	381				8.19				1.66	0.19
Bruce	100	8		14.41	13.97								120			38.10					17.64
Carleton	158	66		38.91	32.81	17.16	11.29	0.6	4.22		10,939.5	2,116	3,489		19.0	64.02	6.2			15.92	52.79
Dufferin	242	58		9.11	18.12											6.37					31.31
Dundas	29			4.3		4.3					7,293		2,586			1.0	7.0			0.22	
Durham		22		9.63	11.13						3,025	437	600			31.31	1.0			6.12	6.07
*Durham and Northumberland	85	8	1	3.8	7.8	.2						233				8.4					13.63
*Durham and Peterboro		2		2.0		3.5						150			2.0	3.5					5.93
Elgin	478	151		32.25	51.1					3.90		2,500				57.15				14.06	13.04
Essex	147	56		21.05	43.90					6.45		413	15			54.65	3.7			1.15	8.88
Frontenac	102	27		7.31	5.0		7.21				4,422				13.71	11.2				0.39	24.33
Glengarry		24	4	3.3	0.6	4.35					1,526.25	703	926	0.66		4.0	5.0				7.78
Grenville	18			1.0	3.0	2.1					9,157.5	198	99		14.3	28.6	0.8			1.56	3.98
Grey	15	10		11.17	9.0	2.33										61.14					16.11
Haldimand	26	7	1	24.05		1.3	9.13						10,304		16.59		8.0	43.93		.21	3.03
Halton		15		9.55	8.3	3.86	9.33									7.0	3.0	4.0			5.70
Hastings	11	23		3.75	10.25	1.33	2.42				660	948	1,820			19.22				29.92	5.89
Huron				5.53	7.17						66.0		2,151			16.95					5.67
Kent	7	167		57.34	51.89					7.62			125			90.72				2.38	2.19
Lambton	78	45		17.75	18.40											37.5	32.1		7.8		25.41
Lanark	298	83	2	14.05		7.28											5.62				45.31
*Lanark and Carleton	44	1																			
Leeds	1,324	68		29.0	15.8	16.8		0.2			3,597		2,370		18.4	36.9	1.0			2.62	45.21
Lennox and Addington	8	2		6.29			3.40					300								0.12	7.43
Lincoln		19						6.09	1.98	1.25								3.54			
Middlesex	72	65	1	33.55	45.65					7.20	1,996.5		350			88.99	41.9		3.15		21.75
Norfolk		59		17.00	16.46	2.94							4,008		0.30	2.1				3.53	5.13
Northumberland	174	27		5.20	23.35				.26		7,192	640				40.45				4.28	8.09
Ontario		60	1	16.38	22.55	0.2			2.73		7,507.5	2,490	1,815			35.25				12.22	34.98
Oxford		53		11.94	9.52	4.61					676.5	112				12.29		6.75		10.22	2.17
*Oxford and Middlesex					2.50											0.8					1.18

Peel	....	45	....	12.50	2.92	5.0	....	....	....	....	....	....	....	....	....	31.34	3.0	6.43	....	....	23.62
Perth	685	65	....	12.8	17.90	0.95	....	....	....	....	....	83	....	....	....	32.47	15.6	....	....	....	20.63
Peterboro	....	....	....	1.4	....	1.4	....	....	....	....	....	289	....	....	5.7	1.4	....	....	....	....	6.58
Prescott	....	....	....	11.80	4.53	....	....	....	....	....	264.0	....	5,292	....	....	11.5	17.82	....	6.3	34.31	....
Prince Edward	68	56	....	10.58	3.94	4.18	....	....	....	....	899.25	....	....	....	....	6.27	....	....	....	1.28	16.12
Renfrew	....	83	....	28.21	26.64	1.7	....	....	.57	....	77.22	....	....	....	....	39.57	....	....	....	2.84	55.74
Russell	....	3	....	5.1	0.5	....	0.8	0.8	....	....	478.5	....	1,026	....	....	....	4.3	....	....	7.39	....
Simcoe	60	60	....	15.90	19.14	4.36	....	....	0.45	....	....	....	....	....	....	29.06	....	17.3	....	....	37.68
Stormont	....	38	....	3.2	1.6	....	....	....	....	....	1,992.4	....	3,510	....	....	10.5	3.0	....	....	2.86	0.63
Victoria	....	23	....	3.9	3.9	....	....	....	....	....	....	....	....	....	....	12.7	....	....	....	....	3.39
Waterloo	358	46	....	24.23	18.62	2.04	5.21	....	6.2	2.83	....	254	4,428.5	....	....	4.11	....	....	....	0.27	38.07
Welland	53	27	....	5.68	....	14.61	....	0.37	....	2.6	49.5	....	3,623	....	....	....	1.2	16.0	....	1.25	9.30
Wellington	46	30	....	34.35	17.94	....	2.3	....	....	2.95	576.35	....	1,050.0	....	....	67.48	0.5	1.0	....	....	37.78
Wentworth	25	36	3	13.75	9.2	13.29	17.43	3.0	21.71	4.91	2,178.0	1,262	19,970	....	3.88	12.55	....	12.63	....	0.91	12.47
York	....	70	1	21.10	3.1	3.68	....	....	8.40	2.8	561.0	....	....	....	....	5.8	0.7	1.41	....	9.28	3.06
*Perth-Huron Bdy	....	....	....	....	1.0	....	....	....	....	....	....	....	....	....	....	3.82	....	....	....	....	....
*Halton-Wellington Bdy	....	8	....	1.8	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2.20
*Grey-Dufferin Bdy	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1.31	....	....	....	....	....
Total	5,026	1717	14	621.12	570.27	124.37	68.52	11.06	46.52	42.51	66,669.47	14,378	72,758.5	0.66	93.88	1044.35	161.44	112.99	17.25	172.29	689.47

NOTE.—* denotes county boundaries.

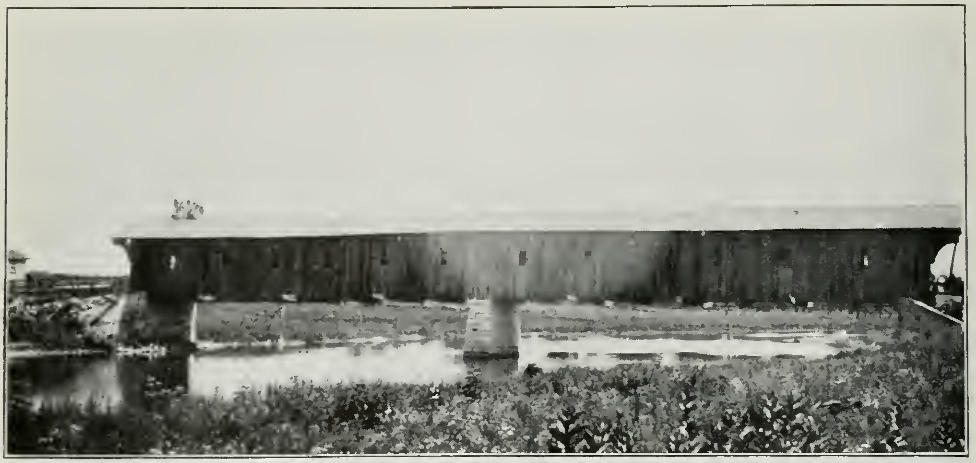
BRIDGES COMPLETED ON PROVINCIAL HIGHWAYS DURING 1922

Name of Bridge	Span	County	Name of Road
Bridge No. 1, Hamilton Entrance	672′ 0″ 4 spans	Wentworth	Hamilton Entrance from Toronto and Guelph.
Bridge No. 2, Hamilton Entrance	127′ 0″ 3 spans	Wentworth	Hamilton Entrance from Toronto and Guelph.
Bridge No. 3, Hamilton Entrance	594′ 0″ 4 spans	Wentworth	Hamilton Entrance from Toronto and Guelph.
Gray's Creek	50′ 0″	Glengarry	Prescott to Quebec Boundary.
London (Broughdale Bridge)	194′ 0″ single span	Middlesex	London to Stratford.
Highland Creek	655′ 6″ 4 spans	York	Toronto to Kingston.
Port Elmsley No. 1	33′ 0″	Lanark	Ottawa to Kingston.
Port Elmsley No. 2	33′ 0″	Lanark	Ottawa to Kingston.
Wesley's Creek	33′ 0″	Glengarry	Prescott to Quebec Boundary.
Sutherland's Creek	40′ 0″	Glengarry	Prescott to Quebec Boundary.
Woods' Creek	33′ 0″	Glengarry	Prescott to Quebec Boundary.
Nelson's Creek	52′ 0″	Durham and Northumberland	Port Hope to Peterborough.
Brooklin Bridge	52′ 0″	Ontario	Whitby to Lindsay.
MacLennan's Creek	33′ 0″	Haldimand	St. Thomas to Niagara Falls.

Respectfully submitted,

GEO. HOGARTH,

Engineer of Highways.



OLD TYPE OF BRIDGE

Many bridges of this type, with wooden trusses, totally enclosed, were constructed in Ontario. They are rapidly being replaced by modern structures of steel and concrete.

COUNTY AND TOWNSHIP ROADS

REPORTS OF DISTRICT ENGINEERS

TORONTO, February 1st, 1923.

W. A. McLEAN, ESQ.,
Deputy Minister of Highways, Ontario.

SIR:

I beg to report the following summary of the work performed on the municipal roads of York and Peel Counties during the year 1922.

Respectfully submitted,

ARTHUR SEDGWICK,
District Engineer of Municipal Roads.

YORK COUNTY

On Provincial County Roads the more important work consisted of 2.08 miles of asphaltic concrete construction southerly from Queensville at a cost of $77,410.40; 2.15 miles of waterbound macadam westerly from Sutton at a cost of $42,239.50; and 1.91 miles of grading and gravelling in several shorter sections at a cost of $7,763.13. The total construction charges on these roads amounted to $127,413.03. The superstructure of the Cronsberry bridge north of Pefferlaw was completed at a cost of $9,148.74. The substructure for this bridge was put in during 1921, costing $18,226.17, making a total cost for the completed bridge of $27,374.91. This bridge consists of a 100-ft. span reinforced concrete bowstring arch with 20-foot roadway, which, with the Davies bridge on the Don Mills Road completed in 1921, makes an imposing link in the County Road System. Maintenance costs on Provincial County Roads amounted to $12,508.99.

On County Roads, 1.88 miles of asphaltic concrete pavement were constructed at a cost of $70,572.27. This work is located in three sections, 2,187 feet of 20-foot pavement in Aurora; 5,855 feet of 18-foot pavement in Con. 1, E. York easterly from Lansing, and 1,700 feet of 17-foot pavement on the Scarlett Road northerly from Lambton Mills. Bituminous macadam was also constructed to the extent of 3.75 miles at a cost of $100,931.16. This work was located at the following points: Southerly from Unionville, 1 1/8 miles; on the Vaughan Road, 1¼ miles northerly from the York Mills-Downsview sideroad; 4,464 feet on the Weston Road south of Weston, and 3,179 feet on the Don Mills Road between Pape Avenue and Taylor's Hill. In addition, 17.07 miles of waterbound macadam and base course, and 5.51 miles of gravel road were constructed. This class of work is carried out in the upper half of the county where traffic is not so heavy as in the portions closer to Toronto. The total expenditure for construction on County Roads amounted to $445,135.12. Bridge construction amounted to $7,700.59. Maintenance expenditure on County Roads was $49,287.34, chiefly for resurfacing and oiling.

All the townships participated in Government aid. The expenditure in the townships of Etobicoke, York and Scarboro surrounding Toronto reached the total of $273,278.50, chiefly for repair of roads and streets. The expenditure on the outlying townships away from the dense city traffic was relatively much lighter. A notable piece of work was the extension westerly to Yonge Street of the townline between Markham and Whitchurch townships. Scarboro township constructed 6 bridges ranging from 12 to 30-foot span and 24 to 28-foot roadway, at a total cost of $24,826.75.

PEEL COUNTY

On Peel County roads, 21.25 miles of new gravel construction were completed, comprising 5.25 miles in Toronto township; 6.5 miles in Chinguacousy; 2.75 miles in Caledon; 3.25 miles in Toronto Gore and 3.5 miles in Albion. In addition, 4.75 miles of grading were carried out and 61 culverts were built. The total spent for road construction amounted to $59,646.27. Two bridges were constructed in Toronto township, one being a 20-foot reinforced concrete span and the other a 40-foot old steel span placed on new concrete abutments, the two costing $4,785.84.

Road maintenance, chiefly for resurfacing, cost $29,064.30.

All the townships participated in Government aid. The work consisted chiefly of the construction of culverts and maintenance of earth and gravel roads. Toronto township, however, did 8 miles of gravel surfacing at a cost of some $10,000.

TORONTO, February 1st, 1923.

W. A. McLEAN, ESQ.,
Deputy Minister of Highways, Ontario.

SIR:

I have the honour to submit a summary report of the work carried out on County and Township Roads in the counties of Essex, Elgin, Kent, Lambton, and Middlesex, in accordance with the provisions of The Highway Improvement Act and The Ontario Highways Act.

Labour conditions during 1922 in the various counties were better than in 1921. The work carried out, especially by contract, appeared to cost less than the estimates. A higher standard of efficiency was noted both in the work of teams and men.

It is gratifying to note that generally the County work showed improvement. Maintenance work is being given a more prominent place, both in the estimates and in the consideration of County officials. The grading, hill cutting and widening out of narrow places was done with marked improvement. Kent County's programme of concrete highways was added to by the extent of 12 miles during 1922. Essex County built about 10 miles.

Fifty-five townships out of the fifty-seven availed themselves of the Government subsidy. Statute Labour is gradually losing ground and the results shown by near-by townships which have placed their organization on a cash basis is bringing good results and is an excellent example to those townships who still retain it.

In the following summary I have made a brief synopsis of each of the individual townships in this district.

In addition to the regular Departmental inspection, a number of special visits were made during the year at the request of County and Township officials when matters of special importance were being considered. The assistance of the Department in all cases appeared to be very much appreciated.

All of which is respectfully submitted.

J. A. P. MARSHALL,
District Engineer of Municipal Roads.

ESSEX COUNTY

During 1922, Essex County constructed 10 miles of paved roads and about 42 miles of gravel roads, in addition to the resurfacing of about 355 miles previously graded.

Seven concrete culverts were constructed and 27 pipe and tile culverts installed. Fourteen miles of grading was also done during 1922. This grading was particularly well done and is a credit to the County organization.

On Provincial County Road No. 77 on the Windsor-Amherstburg Front Road in Sandwich West, 13 miles of concrete was constructed from Turkey Creek southerly. In Colchester South from Harrow easterly two miles of concrete was laid also on this Provincial County Road. On Provincial County Road No. 86 (Tecumseh Road), 2.69 miles of concrete road was constructed, from Rourk's Line easterly to the G.T.R. at Puce.

The work done within the Windsor suburban area for 1922 consisted of the paving with concrete of the Tecumseh Road (Provincial County Road No. 86) from Little River in the township of Sandwich East to the G.T. Railway crossing in Tecumseh, a distance of 2.27 miles.

Considerable drainage and gravelling was done on Road No. 2 at and near the Canard Church. All outstanding accounts have been settled up and the Suburban Area Commission are planning an extensive programme for 1923.

In the town of Kingsville, on Main Street, from the western limits easterly for a distance of 1,991 feet and from the eastern limits westerly for a distance of 2,453 feet, a two-inch stone-filled asphalt top surface was laid on six-inch concrete base for a width of 18 feet. This work was done under agreement by the County and the town of Kingsville.

In the town of Essex, on Victoria Avenue, for a distance of 2,440 feet, and also on Arthur Avenue for a distance of 2,200 feet, a concrete roadway 18 feet in width was laid by the County, also under an agreement. These are extensions of County Roads No. 41 and No. 7.

With the equipment that Essex County have in their gravel pit at Leamington, and the shipping facilities, they should be able to distribute gravel to any part of the County Road System at reasonable cost. The major portion of the material can be delivered at railway points within a reasonable team haul to their roads, in this manner giving employment to local teams.

During the season, 1,350 carloads of gravel averaging 40 yards to the car were shipped out of the County pit. 570 cars of gravel were shipped to the Department of Highways for use on Provincial Highways in the County and to the several municipalities requiring gravel.

The mileage of County Roads in Essex is 277, of which 170 miles have been surfaced with gravel or paved to the end of 1922, or 61.4 per cent. of the County System.

TOWNSHIP WORK

Anderdon Township

Statute labour abolished in 1916. The work is in charge of the reeve and councillors. All the roads here are of clay and the most of the work consists in grading and dragging. Considerable ditching has been done throughout this township. During the year two bridges were built.

Colchester North Township

Statute labour is still retained. There are approximately 3,000 days. There are 24 road divisions. Considerable drainage work has been done. 1922 was the first year for this township to take aid under The Ontario Highways Act.

Colchester South Township

Statute labour abolished in 1919. There is a township road superintendent in charge and about 50 per cent. of the roads are gravelled. During 1922 about 8 miles of new gravelling has been done. During 1922 this township participated in a Government loan of $10,000 for road work.

Gosfield North Township

Statute labour is still retained. There are approximately 2,500 days. There are 43 road divisions. Considerable gravelling has been done. During the year this township borrowed $3,000 for the purchase of a gravel pit.

Gosfield South Township

Statute labour was abolished in 1903. The road work is in charge of a township road superintendent. The township is well organized and systematic work is being carried out throughout the township. The township owns its own gravel pits. During 1922 considerable gravelling has been done.

Maidstone Township

Statute labour was abolished in 1910. The roadwork is in charge of a township road superintendent, who is also the clerk of the township. Good system of accounting here is in force.

Mersea Township

Statute labour is still retained. There are approximately 6,000 days and 100 divisions. About 50 per cent. of the township road mileage has been surfaced with gravel. The township owns 5 gravel pits. Considerable drainage work has been done.

Rochester Township

Statute labour was abolished in 1910. The road work is in charge of a township road superintendent. Considerable grading has been done during 1922. Roads are mostly clay.

Sandwich East Township

Statute labour is still retained. There are approximately 3,600 days with 40 divisions. Roads are chiefly gravel.

Tilbury North Township

Statute labour abolished in 1914. The road work is in charge of a township road superintendent. The roads are chiefly clay.

Tilbury West Township

Tilbury West abolished statute labour during 1922 and appointed a road superintendent. During the year 10 miles of gravelling has been done and an extensive programme has been laid out for 1923.

Pelee Island Township

Pelee Island commuted statute labour in 1918. The roads here are in fair condition. Approximately half of the rural mileage of 50 miles has been surfaced.

ELGIN COUNTY

The county of Elgin during 1922 carried out their usual systematic maintenance of gravel roads under the County Road system. During 1922 thirty-eight miles were added to the County System. The Stalter Gully bridge in the southern part of Malahide township on County Road No. 42 was commenced. The cost of this work is proportioned 30 per cent. to the township of Malahide, under Section 26 of The Highway Improvement Act, 30 per cent. to the county of Elgin and 40 per cent. to the Province of Ontario. The span is 304 feet, supported by a steel tower resting on steel cylinders filled with concrete and driven to hard clay. On account of the nature of the foundation soil here, pneumatic caissons were driven through the quicksand into the hard clay and filled with concrete.

One hundred and fifty miles of county roads have been resurfaced during the season with gravel and broken stone, also the entire length of road grade as above has been trimmed up with heavy graders. A number of narrow culverts have been widened by placing new pipes at either end.

Daily record was kept of the mileage and quantity of gravel drawn by the three county trucks in operation from May 15th to November 15th. The number of cords of gravel hauled was 2,181 and the average mileage per day was 71.5 miles, hauling 4.75 cords of gravel; and allowing $20.00 per day for depreciation, the cost of hauling 1 cord of gravel 1 mile was $1.20. The average cost for the three years, 1920, 1921, and 1922, is $1.13 per cord mile.

The Roloson gravel pit in the township of Dereham, in Oxford County, was purchased during 1922.

The management of the County Road System is well organized, the efficient patrol system numbering 86 patrolmen, averaging three and a half miles to each section. Each of these patrolmen has the usual equipment of either a road drag or a junior grader, a shovel, rake, etc. Other counties would be well to adopt such a system as is being worked out in Elgin County. Calcium chloride as a dust layer was used on the London and Port Stanley road with satisfactory results, using one pound and one-half per square yard.

TOWNSHIP WORK

Aldborough Township

Statute labour was abolished in 1921. About 40 per cent. of the township roads are gravelled. During the year approximately $18,000 was expended on township roads. There are four divisions, with a councillor looking after the work in each division.

Bayham Township

Statute labour was abolished in 1921. During the year Mr. J. G. Pauling, the road superintendent, died, and since then the reeve has been in charge of the township work. The roads in Bayham, owing to the scarcity of road material, are in poor condition.

South Dorchester Township

Statute labour was abolished in 1921. The township road work is in charge of a township road superintendent, who has a good organization. The work during the last two years has been well carried out and the ratepayers are well satisfied with the new system.

Dunwich Township

Statute labour was commuted in 1921. There are approximately 4,000 days commuted at $1.50 per day. There is a township road superintendent in charge of the work. The roads in Dunwich are gravelled to the extent of 60 per cent. of the total.

Malahide Township

Statute labour was abolished in 1920. The road work is in charge of a township road superintendent who has built up a good organization. About 60 per cent. of the township roads are gravelled. Considerable grading has been done during the year as well as gravelling and culverts constructed.

Southwold Township

Statute labour was abolished in 1920. The reeve is in charge of the road work. About 80 per cent. of the roads are gravelled. The roads are in fair shape.

Yarmouth Township

Statute labour was abolished in 1917. The road work is in charge of a township road superintendent, who has a splendid organization. Over 90 per cent. of the roads have been gravelled. South half of this township is better off for road gravel than the north half. The township owns a motor truck loading equipment and bin and results have been highly satisfactory. The roads are in splendid condition.

KENT COUNTY

Kent County during 1922 laid 12.25 miles of concrete roadways. This was the largest mileage of concrete roads in any county in the Province under the County Road System constructed in 1922. This county has also the distinction of the largest mileage of concrete county roads in Ontario.

The Wallaceburg-Dresden road—Provincial County Road No. 115—is now completely paved with concrete 12 miles in length, 5.25 miles of which was constructed in 1922. From the westerly end of the 1921 work at N. Thamesville, 1.75 miles of concrete was built westerly to Con. 10-11 of Camden Township.

The Paincourt Road was completed during 1922, making a complete stretch of 8 miles of concrete from Paincourt to Chatham. Northerly from Chatham 1.5 miles of concrete were built on the Chatham-Wallaceburg road, within the suburban area.

In the town of Dresden a concrete roadway was laid during 1922 on St. George and North Streets from the northerly limit to the southerly limit at the Agricultural grounds, a distance of 6,239 feet. This work was done under an agreement with the county and the town.

Considerable gravelling was done in the southern portion of the county by means of motor trucks operated from the county pit at Cedar Springs. Greater care should be taken in preparation of the road grade before placing gravel on these roads.

Preliminary work has been done in the matter of the Prairie Siding bridge. This proposed bridge will span the River Thames. The bridge is to be a double-leaf bascule bridge of 159 feet centre span, with two 100-ft. spans in addition. The estimated cost of this new bridge is $150,000.

An improvement is noticed in the method of keeping the county road accounts during the year.

Kent County has 247 miles of county roads, of which 140 miles have been surfaced to the end of 1922, or about 50 per cent. We would suggest that in the matter of maintaining the County Road System that a more adequate system of maintenance, especially on the clay roads, be carried out. Traffic conditions have changed, and it is highly essential that this maintenance work be firmly established.

TOWNSHIP WORK

Camden Township

Statute labour was abolished in 1921. The reeve and four councillors have charge of the roadwork. Roads are chiefly clay and sand, there being little gravel. During 1922 two bridges were built.

Chatham Township

Statute labour was abolished in 1920. The bridge work in this township is good. The roads are all clay, and are well maintained. The township has approximately 235 drainage schemes.

Dover Township

Dover abolished statute labour in 1911. The roads are all clay and are in fair condition. Considerable money has been spent on drainage schemes. During the year a number of bridges were constructed.

Harwich Township

Statute labour is still retained. There are approximately 4,040 days. A number of concrete culverts have been built during the year. About 25 per cent. of the road mileage is gravelled.

Howard Township

Howard abolished statute labour in 1919. About 50 per cent. of the roads have been surfaced.

Orford Township

Statute labour is still retained. The township roads are 75 per cent. gravel surfaced. The gravelling work, outside of statute labour work during 1922, appears well done. There are 2,200 days of statute labour with 70 road divisions.

Raleigh Township

Statute labour is still retained. There are approximately 4,000 days of statute labour, with 45 divisions. During 1922 they purchased a motor truck, and approximately 8 miles of gravelling was done.

Romney Township

Statute labour is still retained, there being approximately 2,811 days with 20 road divisions. About 65 per cent. of the road mileage has been surfaced with gravel to the end of 1922. The township owns its own gravel pits.

Tilbury East Township

Statute labour was abolished in 1905. The roads are chiefly clay and consequently dragging is the chief work and has been well done.

Zone Township

Statute labour was commuted in 1921 and will probably be abolished in 1923. The roads here have been gravelled about 20 per cent. of the total mileage.

LAMBTON COUNTY

Eighteen miles of county roads were constructed in Lambton County during 1922. With the exception of 1.75 miles of concrete pavement laid in Sombra, the remaining construction was of gravel and broken stone. The concrete road built on Provincial County Road No. 5 and extending northerly from the Kent boundary line to the north limit of Concessions 6 and 7, Sombra, is the first concrete pavement laid by the county under the County System. The pavement is 18 feet in width, with a thickness of 8.25 inches at the centre and 6 inches at the sides. The subgrade was covered with gravel consolidated to a depth of three inches before placing the concrete. Two reinforced concrete culverts were built at the intersection of Concessions 6 and 7. The contract included tiling, ditching, excavation, concrete surface and shoulders.

On the county boundary, on County Road No. 7, between Kent and Lambton, 2.5 miles of macadam surface were built.

On Provincial County Road No. 81, in Bosanquet Township, 7 miles of the Pinery Road between what is known as The Cut and Grand Bend was cleared and grubbed at a cost of approximately $1,200. The clearing was made 30 feet in width, following the old trail as nearly as possible, but eliminating the sharp turns and dangerous curves which have been a source of annoyance to users of this road for some years. Gravel is available in close proximity on either side of the new road. It is the intention of the county to put on a gravel surface and thus connect up an important portion of this lake shore road through this district. The scenic beauty of this Pinery Road has not been injured the slightest, but preparations are under way to put a first-class gravel road through that will meet the needs of the traffic, both local and tourist.

Fifteen miles of roads were graded. Four bridges were constructed and 42 culverts installed during 1922.

With regard to maintenance work there are 92 patrolmen on the Lambton County Road System. Each section averages 4 miles. Seventy-five miles of roads were resurfaced with gravel during the year.

The Lambton County Road System comprises 338 miles, of which 223 miles have been surfaced to the end of 1922 on a percentage of 60 per cent.

TOWNSHIP WORK

Bosanquet Township

Statute labour was abolished in 1920. About 65 per cent. of the roads are gravelled. During 1922 a number of bridges and culverts have been built. Grading has been done at Lake Valley Grove. Considerable gravelling has been done during the year.

Brooke Township

Statute labour is still retained. There are approximately 4,000 days with 150 road divisions. 75 per cent. of the total mileage has been gravelled. During the year a number of bridges have been built.

Dawn Township

Statute labour is still retained. There are 4,087 days, with 118 divisions. Roads are chiefly clay. This is the first year that the Provincial subsidy has been asked for.

Enniskillen Township

Statute labour was abolished in 1921. About 60 per cent. of the total mileage has been gravelled, considerable gravelling being done during 1922. The road accounts are kept in good condition.

Euphemia Township

Statute labour was commuted during 1922. The roads are chiefly sand and clay. During the year 2 acres of gravel were bought. Roads are in poor shape.

Moore Township

Statute labour was commuted in 1918. Approximately 50 per cent. of the roads are gravelled and are in fair shape.

Plympton Township

Statute labour is still retained in this township. Seventy-five per cent. of the total mileage is gravel. A considerable number of culverts and bridges have been built during the year. All main concession roads are gravelled.

Sarnia Township

Statute labour was commuted in 1920. The road superintendent is also the clerk of the township. Considerable gravelling has been done throughout the township.

Sombra Township

Statute labour was commuted in 1919. Gravel here has to be shipped in from the St. Clair River. Clay roads predominate throughout the township. Two bridges were built during 1922.

Warwick Township

Statute labour is still retained. There are about 2,900 days and 89 road divisions. Considerable gravelling together with grading and hill-cutting was done during 1922.

MIDDLESEX COUNTY

Considerable grading has been done on the Middlesex County Road System during 1922. In all 20 miles of county roads were graded out to the full width of 24 feet. Eighteen miles of gravel roads were constructed, nine bridges were built and 62 culverts installed.

Approximately 250 miles of resurfacing has been done and classed as maintenance. The cost of loading gravel, hauling, depreciation and repairs amounted to 31.4 cents per yard mile on the year's work of motor trucks.

In the suburban area, the Pipe Line from the city limits westerly to Springbank Park was graded for a distance of 2 miles. Concrete culverts were constructed. This work is in preparation for a concrete roadway contemplated in 1923.

The new bridge over the Aux Sables River, at Brinsley, on County Road No. 48, in McGillivray Township, was started late in the season. This structure consists of two skew spans of 75 feet. The pier and abutments were completed in 1922. A new concrete floor was placed on the bridge at Muncey.

During the year 58 miles were added to the County Road System, making a total mileage of 500 miles, the largest county road mileage of any one county in the Province. At the end of 1922 season, 478 miles have been surfaced with gravel, or 95.6 per cent. of the County Road System.

TOWNSHIP WORK

Adelaide Township

Statute labour was abolished in 1921. The reeve and councillors look after the road work. Roads are mostly all gravelled. During 1922 a 30-ft. span bridge of steel and concrete was built opposite Lot 2, Con. 3, north of Sarnia Road. Improvement could be made in repairs to culverts. The roads are in good shape.

Biddulph Township

Statute labour was abolished during 1922. Roads are principally gravel. Approximately 5 miles of gravelling was done during 1922.

Caradoc Township

Statute labour was abolished in 1920. This township is poorly off for road material, and as a consequence most of the roads are sandy. A considerable number of culverts and two bridges were built during 1922.

Delaware Township

Statute labour was abolished in 1920. Work is carried out under a township road superintendent. Two miles of new gravelling was done during 1922 and one bridge constructed.

Dorchester North Township

Statute labour is still retained. There are approximately 4,200 days with 76 road divisions. Gravelling was not done very well during 1922 but improvement noted during the latter part of the year.

Ekfrid Township

Statute labour was abolished in 1920. Fifty per cent. of the roads are gravelled. Fletcher bridge was built during 1922, of 28 ft. span, in Con. 111, South.

Lobo Township

Statute labour was abolished here in 1920. This township is well organized under a capable road superintendent. The gravel roads in Lobo Township comprise 95 per cent. of the total mileage and, with a systematic maintenance carried out, place Lobo as one of the leaders in township roads in Ontario. Two bridges of 27 ft. and 32 ft. span were built during 1922.

London Township

Statute labour is still in force, there being approximately 12,000 days. London Township is well off for gravel roads. The reeve and councillors look after the road work.

McGillivray Township

Statute labour was abolished in 1921 by a majority vote of the ratepayers. A township road superintendent was appointed in charge of all road work, and roads are well gravelled. During 1922, the Hudson bridge was constructed, of 30 ft. clear span. The roads are in fair condition.

Metcalfe Township

The township abolished statute labour in 1921. During 1922 no bridge construction was undertaken. About 40 per cent. of the roads are gravelled.

Mosa Township

Statute labour is still retained. During the year gravelling was done and a number of culverts constructed. The roads in Mosa are light and sandy and considerable work, on account of the absence of road material, will have to be yet done to bring about a better condition.

West Nissouri Township

Statute labour was abolished in 1922, and considerable gravelling was done. The roads are in fair condition.

Westminster Township

Statute labour was abolished in 1919. Considerable work was done on the roads in this township during 1922. Three bridges were constructed.

Williams East Township

Statute labour was abolished in 1921. Road work is fairly well worked out and systematic maintenance is being carried out. Two bridges were constructed during 1922.

Williams West Township

Statute labour was abolished in 1920 and most of the roads have been gravelled. Work is carried out under the reeve and councillors.

Toronto, February 1st, 1923.

W. A. McLean, Esq.,
Deputy Minister of Highways, Ontario.

Sir:

I have the honour to submit a summary report on the work carried out on county and township roads during the year 1922, in the counties of Carleton, Prescott and Russell, Renfrew and Stormont, Dundas and Glengarry. Most of the townships, with the exception of those in Renfrew, which are receiving Colonization Aid, availed themselves of the aid as provided for in The Ontario Highways Act. All of the townships, with the exception of two that took the above aid, have either commuted or abolished statute labour.

Steady progress has been shown in continuous construction and the creation of a policy of providing adequate foundation and drainage for permanent work.

Respectfully submitted,

C. W. Cornell,
District Engineer of Municipal Roads.

CARLETON COUNTY

Continuing its somewhat extensive programme of the previous year, the County of Carleton, including the Suburban Area of Ottawa, had a total approved expenditure of $704,535.39. Of the above, some $271,941.43 was spent in the Suburban Area of Ottawa, while the remainder was distributed throughout the county. The largest undertaking in the county was the construction of 4.5 miles of waterbound macadam and 3.0 miles of bituminous penetration road on Provincial County Road No. 89 between the Dundas County boundary and the townline of Osgoode and Gloucester. In addition to the above, some .5 miles of bituminous penetration was constructed on Provincial County Road No. 88, in the village of Carp, and .75 miles of gravelling was done on Provincial County Road No. 131 in the township of Torbolton. The Ottawa Suburban Commission surfaced 2.75 miles of the Metcalfe Road with asphaltic concrete. This road was constructed with waterbound macadam in 1921. The Commission also completed 2.0 miles of grading on the same road and constructed an 18-ft. span bridge over Saw Mill Creek.

On the County Suburban Roads, in addition to the above, some 6.50 miles of grading was completed, together with the construction of 1.83 miles of asphaltic concrete; 2.50 miles bituminous penetration, and 4.00 miles of macadam surface, along with the necessary pipe culverts, concrete culverts, and tile drainage.

The county completed, on the County Road System, 21.62 miles of grading; 15.50 miles of gravelling; 3.75 miles of macadam, and 3.87 miles of bituminous macadam.

The bridge programme in the county was comparatively small, four structures in all being completed. Two of these were reinforced concrete structures of 14-ft. spans, while the remaining two consisted of 30-ft. steel span over Steven's Creek on Road 3b in North Gower, and 60-ft. steel span over the middle branch of the Castor River on Road No. 7 in Osgoode Township.

Township Work

All of the townships in the county took advantage of the aid available under The Ontario Highways Act, and all but two townships appointed road superintendents.

Of the ten townships in the county, 4 have abolished statute labour, 5 have commuted it, and one still retains it.

PRESCOTT AND RUSSELL COUNTY ROAD
The LaFleche Bridge at Casselman, consisting of three 100-foot steel spans.

PRESCOTT AND RUSSELL

The United Counties of Prescott and Russell carried out a large programme of work during the year. Practically all of the work was done on County Roads, only a small sum being spent on maintenance of Provincial County Roads. The expenditure was in keeping with an elaborate programme previously mapped out by the counties and amounted in all to a total approved expenditure of $564,968.62.

With the exception of 2.5 miles of bituminous macadam constructed on County Road No. 15 in the Township of East Hawkesbury, the surfacing was of waterbound macadam and gravel, of which a large mileage was completed. In all 79.24 miles was graded, 2.50 miles of bituminous macadam, 24.40 miles waterbound macadam, and 9.81 miles of gravel road were constructed.

A large bridge programme was also carried out in the United Counties during the season and for the most part took the form of steel superstructures on concrete abutments and ranged from 22.5 ft. in span to the La Fleche bridge at Casselman, a 315 ft. steel structure constructed on the piers of the old bridge which were widened and reinforced. Concrete retaining walls were constructed at the northerly end of this bridge and the road widened and straightened so that an improved condition exists at the approach to this bridge, both as to grade and alignment. Another large structure completed was the Labrosse bridge on County Road No. 27, in the township of East Hawkesbury. This consists of a 93.4 ft. steel span on concrete abutments, built at a cost of $21,378.10.

Township Work

Of the eleven townships in the United Counties, nine took advantage of the aid available under The Ontario Highways Act. All of the above nine have appointed road superintendents and have either commuted or abolished statute labour.

RENFREW COUNTY

Renfrew County, as in the previous year, undertook quite an elaborate programme of work, the total approved expenditure being $450,120.34. Of this expenditure, $194,586.63 was spent on Provincial County Roads, while $255,472.71 was spent on County Roads.

The programme on Provincial County Roads completed during the year consisted of the construction of 6.0 miles of road in Stafford and Wilberforce townships, 5.1 miles in Bromley township, 4.25 miles in Admaston township, and .75 miles just south of Renfrew, all on Provincial County Road No. 96, and consisted of waterbound macadam, 16 ft. wide, together with the necessary side culverts. The only bridge construction on Provincial County Roads consisted of one 16-ft. concrete structure opposite Lot 1, Con. VI, Wilberforce.

The county road programme was large. Gravel was used for the most part. In all, some 12.35 miles of gravel and 3.60 miles of crushed stone road was constructed. This included grading to 24 ft. wide and metal from 10 ft. to 12 ft. wide, together with the necessary culverts. Three bridges were constructed on county roads, ranging in span from 12.0 ft. to 32.9 ft. The most important of these was a 20-ft. arch structure, 57.5 ft. long, constructed on County Road No. 7 in Westmeath township. The fill over this bridge was about 14 ft.

Township Work

The township of McNab was the only township in the county that took advantage of the aid, as provided for by The Ontario Highways Act. All of the other townships in the area covered by the County Road System are receiving more or less colonization aid and are therefore not eligible for the grant under The Highways Act.

STORMONT, DUNDAS AND GLENGARRY

The United Counties of Stormont, Dundas and Glengarry modified their elaborate programme of the previous year, reducing the expenditure on the County Road System by considerably over half. Notwithstanding this large reduction, they had a total approved expenditure of $386,183.45. Of this expenditure, $151,876.97 was spent on Provincial County Roads and $234,306.48 on County Roads. Twenty-two miles of grading and 19 miles of waterbound macadam were constructed on Provincial County Roads during the season, along with the necessary culverts. This was completed at a total cost of $132,448.26. Only one bridge was constructed on Provincial County Roads; this was a 16-ft. concrete structure, 34 ft. wide, carrying a 2-ft. fill.

The County Road programme completed during the season consisted of 31.24 miles of grading and the construction of 26.41 miles of waterbound macadam, the total cost of which was $126,560.89.

In addition to the above, a large programme of maintenance was carried out, $93,442.85 being spent in this manner. Maintenance for the most part took the form of continuous stretches of loose stone on roads where no construction had yet been attempted and the bituminous surface treatment of roads already constructed.

Township Work

All of the townships in the United Counties, with the exception of Lochiel, took advantage of the aid available under The Ontario Highways Act, passing the expenditure by-laws, and all but Matilda and Osnabruck appointing road superintendents.

Of the twelve townships in the United Counties, two still retain statute labour. One has commuted it, one partially commuted it, and eight have abolished it entirely.

TORONTO, February 1st, 1923.

W. A. McLEAN, ESQ.,
Deputy Minister of Highways, Ontario.

SIR:

I beg to present the following report on county and township road improvement in the counties of Bruce, Huron, Oxford, Perth and Waterloo, during the year 1922.

Work progressed with substantially the same degree of activity as in 1921. There was a decrease in the total expenditure of about 17.5 per cent., which may be attributed largely to a corresponding decrease in the daily rate of wage. A further saving was due to the adoption of more modern methods of operation in many municipalities affecting both construction and maintenance disbursements.

Respectfully submitted,

H. IRWIN,
District Engineer of Municipal Roads.

BRUCE COUNTY

Provincial County Roads in Bruce County total 132 miles, 3.8 miles being macadam and the balance gravel. County Roads comprise 192.4 miles, of which 5.8 miles are macadam and 186.6 miles gravel.

During the year an interesting change of policy was brought to bear upon road expenditure generally. A previous tendency to centralize expenditures for construction of comparatively small mileages of road, at a sacrifice of funds for adequate maintenance, gave place to an endeavour to effect an improvement upon every possible mile of the system. Accordingly a programme was launched that will in a few years dispense material benefit to the whole system without enlarging upon the available funds. The result of the year's work show over 100 miles of road were ditched and graded to the standard width without disturbing the old roadbed. An equivalent mileage was lightly resurfaced, chiefly with crushed gravel. In addition there were 17.25 miles of gravel road construction and 1.75 miles of waterbound macadam construction complete; other portions of road were partially constructed. The roads connecting the towns of Hanover and Walkerton, the villages of Chesley and Tara, the villages of Tiverton and North Bruce, the villages of Hepworth and Wiarton, and the villages of Wiarton and Lion's Head, received the major part of the road construction expenditure. Gravel road construction averaged $2,495.00 per mile completed, and waterbound macadam roads $7,785.00 per mile completed. The county purchased six gravel pits in 1922.

The cost of engineering and supervision in 1922 amounted to 2 per cent. of the total road expenditure as compared with 3.1 per cent. in 1921 and 4.3 per cent. in 1920.

The inauguration of an adequate patrol system has placed the county in a favourable situation as regards maintenance. On Provincial County Roads, the following are average costs per mile for patrol maintenance for the 132 miles of Provincial County Road: Grading, $12.35; dragging, $10.33; resurfacing, $106.30; snow shovelling, $1.72; brushing and weed cutting, $1.88; bridges and culverts, $21.53. The total cost of maintenance per mile was $154.11. On County Roads, the costs were: Grading, $10.20; dragging, $7.59; resurfacing, $86.40; snow shovelling, $1.72; brushing and weed cutting, $1.07; bridges and culverts, $8.84. The total cost of maintenance per mile being $115.81.

Bridge construction included five structures, the largest being a 90-foot reinforced concrete arch truss on Provincial County Road No. 51, near Allenford. Culvert construction included 21 reinforced concrete culverts and 81 pipe or tile culverts.

The county machinery equipment was thoroughly overhauled during the year. Worn-out machinery was disposed of and a total of $12,637.59 spent on new equipment, comprising one 15-30 horsepower tractor, one 3-ton truck, one ½-ton truck, one steam engine, one gas engine, one portable bin, 7 steel drags, 9 light graders, 2 road ploughs, and 43 slush scrapers.

Township Work

The total expenditure on township roads in the county of Bruce during 1922 (not including the four peninsular townships which are receiving aid under The Colonization Roads Act), amounted to $108,803.88, an average of $102.35 per mile on surfaced roads as compared with $118.00 per mile in 1921. A decrease of 13.3 per cent. corresponding to an accompanying decrease of 13.6 per cent. in the cost of labour.

A 250-foot 2-span steel bridge was erected jointly by the County of Bruce and the Township of Brant at a cost of $21,700.00. The same township constructed a 45-foot bridge with steel superstructure. The only other township to erect a bridge of considerable size was Huron, which built a 45-foot concrete truss. Culvert construction progressed satisfactorily during the year. There was a tendency on the part of several townships to let contracts at prices that could not ensure reliable workmanship or durable results, prices for concrete work, including excavation and all materials, being as low as $4.50 and $5.00 per cubic yard, in several isolated instances where the nature of the footings and length of haul were by no means favourable to the contractor. There were, however, many culverts erected to the standard design that compare favourably with the work of higher road organization throughout the Province, and are substantial evidence that for safety, economy, beauty and durability the standard culvert has not been surpassed for township work.

Statute labour is gradually losing its place as the foremost township road organization in the township of Huron. In 1922, 23,425 days for statute labour were performed as against 32,655 days in 1921. The cost of applying gravel by statute labour in the six townships retaining it averaged $1.24 per yard mile as against a cost of $0.39 per yard mile for similar work done by day labour or contract. At the close of the year two of these townships decided to abolish statute labour.

HURON COUNTY

The mileage of the Huron County Road System was increased during the year by about 6 miles, and now comprises 98.35 miles of Provincial County and 334.8 miles of County Roads, all gravel roads.

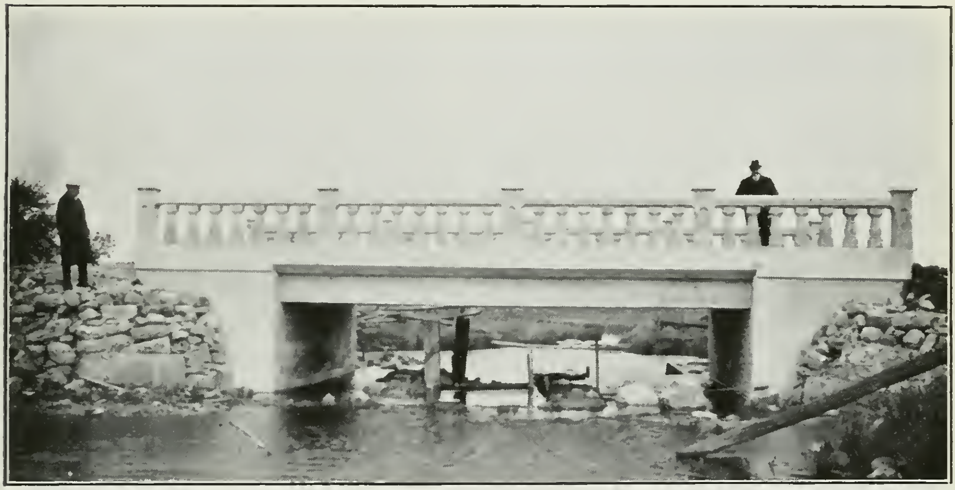
On Provincial County Roads, 5¼ miles were completely constructed with crushed gravel as a wearing surface, at an average cost of $2,014 per mile. On County Roads an average cost of $1,885 per mile obtained for 22 miles of gravel road construction.

Maintenance costs on Provincial County Roads averaged per mile as follows: Grading, $18.72; dragging, $17.35; resurfacing, $181.80; snow shovelling, $2.13; brushing and weed cutting, $1.79; bridges and culverts, $47.20; making a total per mile of $269.00. On County Roads the corresponding figures were: Grading, $18.00; dragging, $9.05; resurfacing, $95.50; snow shovelling, $1.33; brushing and weed cutting, $1.71; bridges and culverts, $22.19; or a total for maintenance of $148.10 per mile. Six gravel pits were purchased during the year.

There were 4 reinforced concrete bridges constructed on Provincial County Roads and 6 on County Roads, varying in span from 20 to 25 feet, and in clear width from 24 feet to 30 ft. Twenty-one reinforced concrete culverts were built. Concrete work averaged $8.50 per cubic yard, steel supplied.

Machinery expenditure was light at $2,298.87, and $2,207.40 for new equipment and repairs respectively. New machinery comprised 1 small concrete mixer, 1 planer, 6 pick plows, 6 light graders and 42 drag scrapers. The county equipment now comprises 7 tractors, 6 crushing planes, 23 graders, 60 drags and hones, 45 scrapers and 11 pick plows.

Considerable pavement construction work was carried out during the year. In Wingham 17,064 square yards of concrete pavements were laid, at a total cost of $71,000, including the cost of excavation, underdrainage and engineering. In Hensall, 9,920 square yards were laid, costing $34,124 complete. Both expenditures were financed on a 10-year serial debenture basis and by agreement with the county, whereby equal annual grants of $6,766 to Wingham and $3,055 to Hensall will form a part of the county expenditure during the next 10 years.



HURON COUNTY ROAD

A twenty-five-foot reinforced concrete bridge in Colborne Township.

Township Work

As in 1921, all townships took advantage of the 20 per cent. Departmental subsidy under The Ontario Highways Act. The total approved expenditure on township roads (not including 31,900 days of statute labour) was $95,397.41, averaging $57.10 per mile over 1,671 miles, of which 83.4 per cent. are surfaced with gravel. No large bridges were undertaken by any of the townships during the year, the largest structure being 34 feet in span. Six other bridges were built, not exceeding 20 feet in span.

The cost of gravelling in the townships of Huron averaged $0.37 per yard mile for contract and day work, and $1.06 per yard mile by statute labour.

OXFORD COUNTY

The mileage of Provincial County and County Roads in 1922 were respectively 31.2 and 255.2 miles.

On the former, little construction work was undertaken, while on the County Roads, 28 miles of road were reconstructed, chiefly with crushed gravel. Over 22½ miles of underdrains were laid, varying in diameter from 4 inches to 18 inches.

Three bridges, 14 feet, 30 feet, and 40 feet in span, and two reinforced concrete culverts were built. A total of 46 pipe and tile culverts were also placed. The extent of maintenance work (not on patrol system basis) on Provincial County Roads is shown in the following average costs per mile: Grading, $8.82; dragging, $9.38; resurfacing, $92.40; snow shovelling, $0.45; brushing and weed cutting, $1.93; bridges and culverts, $12.07. Total per mile, $125.05. On County Roads the average costs were: Grading, $4.13; dragging, $5.11; resurfacing, $104.60; snow shovelling, $0.17; brush and weed cutting, $2.50; bridges and culverts, $13.45. Total per mile, $129.96. The lack of a patrol system in Oxford is reflected in heavy annual expenditures for "reconstruction." However, at the close of 1922, a patrol system was being established and considerable economies are likely to be effected as a result.

Machinery repairs cost $6,097.19, and $2,816.37 was spent on new equipment, consisting chiefly of a new tractor, an elevator and conveyor, and a used crusher.

Engineering and supervision totalled $2,807.28, being 1.9 per cent. of the total expenditure, as compared with 1.2 per cent. in 1921, 1.9 per cent. in 1920 and 2.0 per cent. in 1919.

Township Work

Township road expenditure in Oxford reached an approved total of $140,940.68 for the 11 townships, or an average of $136 per mile of township road. Several very creditable bridges were erected, one in Blenheim being of 158½ feet span, at a cost of about $12,700, and another in North Oxford of 80 feet span, costing approximately $7,200.

Of the 11 townships, statute labour prevailed in six, although two of these abolished the system at the close of the year. Under statute labour, gravelling costs averaged $1.02 per yard mile as against an average cost of $0.34 per yard mile for gravelling by day labour or contract.

Huron County Road
A gravel road between Wingham and Whitchurch on the boundary of Huron and Bruce Counties.

PERTH COUNTY

Out of a total of 241.2 miles of roads assumed by the County, 35.9 miles have been designated as Provincial County roads. For the most part the roads are gravel, there being one-half mile of concrete, 9.8 miles of stone, 3.2 miles of bituminous surface, 0.8 mile of bituminous macadam and 5.0 miles of earth roads.

On Provincial County Roads, construction work comprised ¾ mile of crushed gravel construction at Bornholm, 2,500 feet of various underdrains and one reinforced concrete bridge of 14 feet span, south of Atwood. Construction expenditure on County Roads included 4,200 feet of bituminous penetration pavement in Milverton, five small bridges with spans ranging from 10 feet to 20 feet and one 60-foot steel bridge east of Milverton station. New tile underdrains on county roads aggregated 2 5/8 miles in length, with diameters varying from 4 inches to 18 inches.

The total expenditure in 1922 amounted to $77,008.07, including $4,133.12 for Provincial County Road construction, and $24,785.73 for construction on County Roads.

Maintenance work in Perth County has not received that degree of attention necessary to meet the requirements of traffic. Owing to lack of proper organization and accounting it is impossible to present enlightening cost data as regards the activities under this heading. Computed on a mileage basis, however, an average of $148.00 was spent on each mile of Provincial

County Roads and $170.00 per mile on County roads. While these figures are substantially in accord with those relating to maintenance costs in other counties, they must not be considered to indicate any organized attempt at adequate maintenance. The roads themselves are indisputable evidence that the above expenditures per mile have not been applied by methods that are universally considered as economical. Wearing material, scarce and consequently expensive, is in most instances improperly placed and utilized to poor advantage. Supervision by the daily appointed authority is very inadequate and the system of administration fails, year after year, in rendering an account of road performance that might merit the unqualified approval of those who use and pay for the roads concerned.

Township Work

On a total township road mileage of 1,070, there was a gross expenditure in 1922 of $125,406.57, an average of approximately $117.00 per mile. Unfortunately the amount includes a total unapproved expenditure of $13,823.37, comprising chiefly the misapplication, in several townships, of statute labour that had been returned as commuted. It does not include the monetary value of 14,660 statute labour days in the 5 townships that had adhered to the old system. Seven bridges were built during the year, including one of 40 feet span in Downie and a larger structure 56 feet long in Mornington. The cost of gravelling township roads in Perth County during 1922 averaged $0.38 per yard mile by contract and $1.09 per yard mile by statute labour.

WATERLOO COUNTY

At the close of 1922 there were in Waterloo County 43.3 miles of Provincial County and 154.6 miles of County Roads, a total of 17 miles of the former having been designated during the year. The system now comprises 10.75 miles of concrete, 2.0 miles of stone, 0.7 miles of bituminous macadam and 184.5 miles of gravel.

Concrete road construction totalled 3.2 miles, widths varying from 16 to 20 feet, and at prices ranging from $1.86 to $2.23 per square yard. This work included 1 7/8 miles of pavement south of Elmira and 0.5 miles on the Galt-Hespeler road. Smaller stretches of pavement were laid in the villages of Linwood, Hawkesville, West Montrose, Bridgeport and north of the town of Waterloo. In addition, King Street, a connecting link on Provincial County Road No. 75, in the town of Waterloo, was paved under agreement with the County, thus connecting up the towns of Waterloo and Elmira with concrete.

Two new bridges were erected on Provincial County Road No. 109, near the villages of Wellesley and Phillipsburg, of 30 feet and 100 feet spans respectively. Other important items of construction included the preparation for concrete pavement by ditching, grading and culverts of 1½ miles between St. Clements and Heidelburg; the reflooring of the 218-foot bridge at Bridgeport with creosoted wood block; 1,200 feet of bituminous macadam pavement, 24 feet wide, on County Road No. 37, and 1½ miles of gravel road construction on County Road No. 5.

Concrete culvert construction included 6 reinforced concrete culverts of standard design and 16 corrugated pipe culverts.

Maintenance work averaged $193.00 per mile for Provincial County and $268.00 per mile for County roads, with labour at 30 cents per hour for men and 60 cents for teams. A considerable mileage of old road was scarified and rerolled. A noteworthy feature of Waterloo County's road activities during 1922 was the adoption of a County road system and the establishment of a complete system of patrols to undertake the task of maintenance. These steps had been matters of debate for several years.

The total expenditure on the County road system in 1922 amounted to $182,531.65, of which $87,346.94 was expended on the Provincial County roads and $91,862.20 on County roads. Engineering and supervision cost $3,430.37, or $1.88 per cent. of the whole road expenditure.

Township Work

In 1922, the five townships expended a total of $47,056.46, or $80.00 per mile, exclusive of 19,000 days of statute labour. Contract and day labour work averaged $0.39 per yard mile for the application of gravel and $1.26 per yard mile for the gravelling performed by statute labour.

Toronto, March 14th, 1923.

W. A. McLean, Esq.,
Deputy Minister of Highways, Ontario.

Sir:

I herewith beg to submit an annual report on work carried out on the county and township roads in the Counties of Dufferin, Grey, Halton, Simcoe and Wellington, during the year 1922.

Yours truly,
H. A. Lumsden,
District Engineer of Municipal Roads.

DUFFERIN COUNTY

Dufferin County made great strides toward the goal of efficiency in County road matters when they changed from a township system to a purely county one in November, 1921. The results are already most noticeable, showing the great disadvantages under which the officials worked while following the old system.

Out of a total of 9,626 miles within its boundaries, Dufferin has 25.6 miles of Provincial Highway, 1 mile stoned and the remainder gravelled; 48.6 miles of Provincial County Roads, 10 miles earth and 38.6 miles gravelled; 150.1 miles of county roads, 2.8 miles stoned, 866 miles of gravelled and 60.7 earth, and 738.3 miles of township road, of which 167.5 miles are gravelled.

The amount spent on road construction on Provincial County roads amounted to $15,866.65. The principal work carried out was 1.7 miles of grading, of which 1.0 mile was surfaced with crushed gravel on road No. 134, at a cost of about $3,500.00 per mile. Another work deserving mention was the grading and gravelling of Con. 1, W.H.S., of Mono Township, on the Hockley road, at a cost of $3,984.06. Hill cutting opposite Con. IX, Amaranth, and filling of a sink-hole opposite Con. V and VI, Amaranth, greatly benefited the Arthur road. This was done at a cost of $3,967.38.

Bridge construction on Provincial County Roads consisted of one 10-foot span by 20 feet clear roadway on Provincial County Road No. 120, at a cost of $1,325.85.

Maintenance and repair on Provincial County roads cost $11,981.81, consisting mainly of resurfacing. The large amount of resurfacing clearly indicates the lack of immediate repairs and systematic dragging.

On County road construction the most important item is the grading and gravelling of 2.4 miles on road No. 19 south of Shelburne, at a cost of $9,504.93. Construction totalled $39,196.96.

Three bridges of 10 foot span were built on the County roads at a total cost of $3,600.00.

Township Work

The townships built several bridges, the most notable being the Haws bridge in East Garafraxa, which consists of two 80-foot arched truss spans, built at a cost of $12,600; the Turner bridge in East Luther, of one 100-foot arched truss and span; and one 50-foot bridge in Amaranth. The rest of the work consisted of a small amount of grading and considerable gravelling.

The six townships in Dufferin, all of which participated in the subsidy provided by The Ontario Highways Act, spent an approved total of $69,263.05, which is a cost per mile of $94.00.

GREY COUNTY

Grey has a total of 2,537.8 miles of roads. Of this, 2,062.7 miles are township roads, 323.5 miles are county roads, 72.8 miles are provincial county roads, and 78.8 miles are included in the system of Provincial Highways. There are 180.5 miles of stone and 1,522.8 miles of gravel roads in the County. The remainder are earth, with the exception of 1.3 in the township of Derby, which is cement concrete.

Grey County Suburban Road

Nine-foot concrete pavement and two ten-foot gravel shoulders, constructed by the Owen Sound Suburban Roads Commission.

Construction on Provincial County roads totalled $122,880.74, of which $36,017.56 was spent on Owen Sound suburban roads. The most notable item of this construction was a 9-foot concrete slab with 4½ feet of macadam on either side, built in the township of Derby, in the suburban area of Owen Sound. The 5.930 lineal feet cost $27,418.47. Other features were the construction of 5½ miles of gravel road in the township of Bentinck, on Provincial County Road No. 65, at a cost of $24,533.08, and the construction of 4 miles of gravel surface on Provincial County Road No. 14, in the township of St. Vincent, at a cost of $21,284.52.

County road construction cost $33,397.44, of which $18,966.46 was the cost of 3 miles of consolidated gravel road, graded and metalled, on Road No. 29 in the township of Artemesia, and $11,630.64 was the cost of 1¼ miles gravelled road on the townline of Artemesia and Glenelg, on Road No. 27. Bridge construction on county roads totalled $9,360.76.

Maintenance and repair on county roads, including suburban county roads, cost $58,767.10. Resurfacing accounted for $46,851.71 of this amount. Machinery purchased by the county to the amount of $2,642.99 included 3 Ford trucks, 17 road drags and 3 small graders.

Township Work

A total of $122,331.31 was approved for road work in the 15 townships of this County, all participating in the Departmental subsidy. Several of the townships do not tackle their road problems in an energetic manner. Permanent work is in some cases entirely neglected. Patch work and temporary repairs appear to be the rule. In most of the townships, however, an effort toward permanent improvement is made, and in some cases excellent results were obtained.

HALTON COUNTY

The total mileage of roads in Halton County is made up as follows:—

	Concrete	Stone	Gravel	Earth	Total
Provincial Highway	14.4	12.1	9.0	6.1	41.6
Provincial County Roads	4.1	31.9	6.0	3.0	45.0
County Roads	3.0	74.2	15.6	7.2	100.0
Township Roads	....	21.5	32.8	372.8	427.1
Totals	21.5	139.7	63.4	389.1	613.7

Provincial County Road construction exclusive of bridges amounted to $8,071.59, the principal item of which was the construction with a macadam surface on ½ mile of Provincial County Road No. 132 in Nelson Township, at a cost of $4,900.05.

Bridge construction on Provincial County Roads amounted to $3,294.79. Of this amount the Coulter bridge, of 20 ft. span, and 20 ft. clear roadway, cost $2,381.69.

Maintenance of Provincial County roads amounted to $8,611.94, 93 per cent. of which was for resurfacing.

A total of $84,390.81 was spent on County road construction. A stretch of concrete 18 feet wide and 1,092 feet long was built south from the village of Bronte to the lake front, and continued north to the Grand Trunk tracks, a distance of 7,235 feet, with a 10 foot slab and 3 feet macadam shoulders. The total cost was $32,810.32. The remainder of the construction consisted of 16½ miles graded and surfaced with crushed stone. Maintenance and repair cost $12,721.04, the principal item being $10,783.34 for resurfacing.

One new road roller was purchased at a cost of $5,272.18.

Township Work

Approved expenditure in the four townships totalled $117,215.07. All four townships participated in the Departmental subsidy. Some very excellent work was done in several of these townships and an improvement is noted over previous years' work.

SIMCOE COUNTY

In this county, with a total of 2,479.1 miles of all classes of road, the County road system includes 118.2 miles of Provincial County roads and 355.6 miles of County roads. There are in addition 1,952.2 miles of township roads in the 16 townships concerned. Eight of these townships, however, are receiving colonization aid. The township roads are for the most part earth, there being 661.7 miles of gravel and 3.0 miles of stone surface.

The County and Provincial County roads are chiefly gravel and stone, with a total of 89.4 miles of earth surface.

Construction on Provincial County roads amounted to $35,967.96. The only outstanding piece of work was the grading and gravelling of approximately five miles of the County boundary between the counties of Simcoe and Grey, south of the village of Singhampton. This was accomplished at a total cost of $26,158.21, or at a rate of approximately $5,000.00 per mile. This is a very excellent piece of work. Bridge construction on Provincial County roads cost $1,024.11, being for the Barker's bridge, of 16 foot span, on Provincial County Road No. 20.

Maintenance on Provincial County roads amounted to $30,587.47, resurfacing of $25,438.22 being the principal item. Grants to towns and villages on account of Provincial County roads amounted to $11,847.93.

County road construction was not extensively carried out, only $14,779.19 being spent on this work, mostly in small, isolated patches. Grants to towns and villages chargeable to County road construction totalled $17,939.54. Six bridges built on the County roads cost $23,092.99, the most important being a 60-foot concrete girder bridge in Con. 11, Township of Tiny, on Road No. 21, at $9,269.23, and the Maynard bridge in Con. 12, Tecumseth, on Road No. 116, at $6,704.69.

Maintenance and repair cost $53,328.18, $43,516.26 of which was charged to resurfacing.

Machinery purchased consisted of 5 drags, 4 one-team graders and 1 wheel scraper, at a total cost of $1,195.62.

Township Work

The eight townships which did not receive any Colonization Aid all participated in the Departmental subsidy. The total approved expenditure was $89,729.03, about 25 per cent. of which was applied to the building of permanent structures, grading and other permanent work. This shows a very favourable trend to township road work in this County.

WELLINGTON COUNTY

Wellington has a total of 86.0 miles of Provincial Highway, 64.6 miles of Provincial County Road, 282.8 miles of County Road, and 1,349.6 miles of Township Roads. According to types the following figures apply:

Concrete	6.5	miles
Bituminous surface	6.0	"
Stone	14.7	"
Gravel	966.8	"
Earth	789.0	"
Total	1,783.0	"

Construction on Provincial County roads amounted to $1,972.96, and on bridges to $5,884.80. The latter amount was spent on the Bosworth breakwater and retaining wall on Provincial County Road No. 68.

Maintenance on Provincial County roads apart from Suburban roads cost $28,875.32, and on Suburban Provincial County roads $1,913.15, which averaged $477.00 per mile; of this amount $18,645.12 was charged to resurfacing, or an average of $288.00 per mile. This large average for resurfacing should show a great decrease in future on account of an efficient patrol system having been inaugurated.

Construction on County roads in 1922 cost $11,250.02. There was no outstanding construction work carried out, but rather the proper grading and metalling short stretches which were in the worst condition.

Bridge construction, however, was carried on intensively, no less than 17 bridges of 10-foot span or over being built, at a total cost of $53,533.25, the most outstanding bridges being the Belwoods bridge of one 150-ft. steel truss span, costing $26,788.23, the Arthur Street bridge in Harriston, of one 50-ft. concrete girder span, and the Red bridge in Drayton, of one 80-ft. concrete truss span. The last two bridges cost $9,232.73 and $8,137.02 respectively. Maintenance on County roads of $79,171.17 and on Suburban County roads of $4,891.11 was mainly made up of resurfacing, which cost a total of $47,654.46, or an average of $168.00 per mile.

Machinery costing $5,862.17 was added to the plant, including a crusher, 2 loaders and 48 road drags.

TORONTO, February 1st, 1923.

W. A. McLEAN, ESQ.,
Deputy Minister of Highways, Ontario.

SIR:

I have the honour to submit the following summary report on the work carried out under The Highway Improvement Act and The Ontario Highways Act during the year 1922. The district comprises the counties of Ontario, Prince Edward, Victoria, Durham and Northumberland and Peterboro.

Construction work in its many phases is a basic industry the same as agriculture. Its fundamental purpose is to protect the public. Tearing down to build again must be avoided. It is the creator of permanent wealth. When it is at a maximum, prosperity is at a maximum, and when it is limited, prosperity is limited. What is true of construction generally is true of road construction in particular.

In constructing standard roads the municipality is creating a permanent wealth that will pay rich dividends now and in the future, in the way of safety to the public, pleasure and cheapened transportation.

Considerable work of a permanent nature was undertaken during the year throughout the counties. This comprised the purchase of right of way, hill cutting, grading, the surfacing of a considerable mileage with gravel, macadam or some of the higher types of road surface, and the building of culverts and bridges.

A further lowering in wages is to be noted during the past summer. In consequence, the supply was not as plentiful as might be desired. The counties, however, that paid the highest wages were able to command an ample supply of labour.

A steady elimination of wastes is to be noted. This has been brought about largely through co-operation and improved organization. Conferences of the road foremen were held in two of the counties, so a better understanding and a common action might be brought about in handling the work. Another notable feature is the benefit these foremen derive from the collection, compilation and interpretation of Construction and Maintenance statistics furnished by the Superintendent. This enables each foreman to compare his results with that of his neighbour. A wholesome emulation is thus brought about which is reflected in the character of the work done.

Respectfully submitted,

John McVicar,
District Engineer of Municipal Roads.

ONTARIO COUNTY

The high standard attained by this County in past years was fully maintained and in some respects improved upon during the past season.

Hill cutting was carried out at two places. A hill in Brock Township was reduced from a 12 per cent. grade to 8 per cent., and another in Uxbridge was reduced from 9 per cent. to 5 per cent., at a cost of less than $4,000 for the two. In order to provide for the future supply of gravel on the county roads, two gravel pits were purchased during the summer. They contain about 4½ acres of gravel and cost a little over $1,800.

The main essential of road building is good drainage. In the county of Ontario in 1922 there were 14 miles of Provincial County roads graded and ditched to standard and 7.5 miles of County road. An Avery Kerosene Tractor was used for this purpose, together with a No. 8 grader with a tractor hitch. A marked increase in the efficiency of a grader outfit such as the above is to be noted where there are no telephone or power poles to interfere. During the season there was expended by the County on construction work about $70,000. Somewhat over one-third of this amount was spent upon bridges and culverts.

Eight bridges were built, one with span of 18 feet, and the remainder with 12-foot spans, at a cost of about $15,000. Thirty-one culverts were built at a cost of about $15,000, the size varying from 2 ft. by 3 ft. to 4 ft. by 6 ft. Galvanized iron pipe was used in 26 places, the size varying from 15 inches up to 24 inches, one 36-inch pipe being used. Seventy-four farm entrances were provided on the road system.

About $39,500 was expended upon the maintenance of the County roads. The patrol system is employed. After providing for the dragging and patching of the roads, about 4.5 miles were resurfaced on the Provincial County roads and 10 miles on the County roads. This was where the grading and ditching had already been done.

A new Avery tractor was purchased in 1922. It is a special 18-36 horsepower road machine. The cost of moving earth with this outfit averages about 10 cents per cubic yard. Five one-team graders were also purchased.

Township Work

The townships in the County of Ontario are making the best effort to meet the regulations in the whole district. Five or six of the townships, like Pickering, Thorah, Brock, Scott, Reach and W. Whitby, are making favourable progress in their road building programmes. Each built a bridge or two and from one to four culverts, all of standard design and of splendid workmanship. In addition, some section of road was graded and gravelled, making a very creditable showing. All the townships in the County did the usual amount of resurfacing.

PRINCE EDWARD COUNTY

The work carried out in the County in 1922 was in some respects the most satisfactory yet undertaken by the County. Attention was given to all phases of road construction. The snow nuisance was overcome as far as possible by the widening of the right-of-way and the clearing away of rubbish and old crooked rail fences. No doubt a marked cheapening in the cost of grading would also result from this widening. Previously long hauls of material were undertaken on the narrow right of way when material lay alongside the grade after the widening was done. On Provincial County Road No. 24 in the townships of Hillier and Ameliasburg, 3¼ miles of road was graded to standard width and macadamized at a cost of $16,602. The stone for surfacing was quarried from a pit in the vicinity, crushed by the county crusher and hauled to the road, spread and rolled.

Maintenance on other Provincial County roads cost $8,846. This for the most part consisted of oil treatment.

The road construction consists of 3¾ miles of waterbound macadam in the township of North Marysburg, at a cost of $11,758. Two and five-eighths miles of the same type of road in the township of Hallowell at a cost of $7,590, and in South Marysburg 1½ miles for $5,033. On the County roads a reinforced concrete bridge was constructed at Gilbert Mills at a cost of $2,215.

The expenditure upon the maintenance of the County roads amounted to $16,448. Three items accounted for a large portion of this, one on road No. 1 of $2,316, another on road No. 6 of $2,094, and a third on road No. 13 of $4,963.

No new machinery was bought this year of the larger units. $1,074 were expended on small equipment, the largest item being $205 for a pump.

Township Work

In this County only three townships so far have availed themselves of the Provincial grant. In these townships no work of importance was undertaken. They all did some resurfacing with gravel, but none of it could be highly commended. There is a great lack of road machinery to meet the needs of the present day traffic in these townships. Dragging was done as far as drags were available, but it requires a drag for every 8 or 10 miles of road. Splendid service can be obtained from the one team graders, but one grader cannot overtake the amount of work necessary in the townships.

Victoria County Road
A new grade and gravel surface through a swamp south of Lindsay.

VICTORIA COUNTY

During the past season the work done in this County was of the same general excellence as has characterized it in the past.

In eleven cases land was purchased in order to improve the alignment of the road at sharp and dangerous curves. Approximately $600 was expended on this very necessary improvement.

At two widely separated points on the system, hill cutting was carried out. The Ops-Fenelon hill near Lindsay was reduced from about 12 per cent. grade in solid rock to 7 per cent. at a cost of a little over $8,000. Crawford's hill at Omemee was reduced from a 16 per cent. to a 7 per cent. at a cost of about $11,000. The volume of material excavated here was about 12,000 cubic yards.

Grading to standard widths in advance of all surfacing was adopted as a general policy during the season. Tractor and grader outfits have been employed for this work as well as slip scrapers.

Asphaltic concrete pavements were laid on a part of the connecting links in Lindsay and Fenelon Falls. In the latter 5,470 feet and in the former 3,924 feet were laid, at costs of $46,000 and $31,000 respectively. Bituminous macadam was built with imported stone in Little Britain. Twenty-four hundred and ten feet were laid at a cost of $10,490.

Base course macadam was laid during the season on 5¼ miles of road. Crushed stone consolidated by traffic was laid on 2¼ miles. Nearly 17,000 gallons of light tar was used to treat the macadam roads at a cost of 24¼ cents per gallon applied. Over $50,000 was expended on the work of macadam construction and surface treatment.

Gravel roads were built at a number of widely separated places. Both pit run and crushed gravel were used. Something over five and one-half miles were built.

Two reinforced concrete bridges of the culvert type were constructed. Twelve box culverts standard reinforced concrete, 116 galvanized pipe culverts, 15 township road crossings and 99 farm crossings were built. Tile drains for the different works totalled over 24,500 feet to provide drainage.

The chief items of machinery bought were a Case tractor, a Chevrolet car, pile driver, 6 dump wagons, and 10 wheel scrapers. Other small units brought the total outlay up to $8,707.

Township Work

The work on the township roads was for the most part resurfacing. Some grading was done in all the townships and an effort made to meet the regulations both as to width of grade and as to drainage. It is as yet difficult to get the township officials to spread the gravel. They still want to pile a foot or more of gravel on old gravel roads where 3 or 4 inches would be sufficient. Only one township in the County in working under a superintendent.

DURHAM AND NORTHUMBERLAND

Gravel road is the type built in these counties. On the Provincial County roads, 7 miles of grading was done and 4.4 miles of it gravelled. A notable piece of construction work was undertaken in the Counties this year, in the building of a road across Porter's Swamp in the township of Manvers to connect up with Victoria County. This section of road runs about 6 miles due south from the town of Lindsay. Victoria County built about two miles on the same road, a northerly extension of the Porter's Swamp. This construction was undertaken to avoid what is known locally as Sullivan's hill, where the grade is about 20 per cent. The total expenditure on Provincial County roads is about $20,000. The expenditure for maintenance of Provincial County roads averaged $206 per mile.

Special grants made to the towns and villages in the Counties amounted to about $16,000. In these municipalities the expenditures are not well made. They have amounts to expend upon very limited mileages out of all proportion to that available for the County roads. Yet upon the whole the class of work done in most of them is somewhat disappointing. This can only be accounted for by the fact they lack proper supervision. An improvement in this respect should be looked for in the near future. Upon the maintenance of the Provincial County roads about $20,000 was expended. Of this amount about $11,000 was taken up in resurfacing road No. 38, $1,500 on road No. 39, $2,400 on road No. 57, and $1,000 on No. 58.

The construction upon County roads comprised grading of 2.75 miles and gravelling 7.25 miles. The expenditure amounted to about $6,000. Upon the maintenance of County roads nearly $37,000 was expended. Of this amount road No. 10 was resurfaced at a cost of $1,500; road No. 18 at $2,100, and road No. 25 at $4,000. The maintenance expenditure averaged $143 per mile.

In addition to the above, 79 pipe and tile culverts were laid and 5 reinforced concrete culverts. The additions to the equipment were 16 split log drags and 7 dump wagons, which were bought second-hand. An old truck was traded in on a new one costing $5,180.

Township Work

Darlington is perhaps the banner township in the United Counties in the manner of attacking her road problems. Last year the construction programme embraced 3 bridges and 14 culverts, all of reinforced concrete. A number of steel pipes were also laid and necessary dragging and resurfacing carried out. Townships like Cavan and Seymour also are doing good work. In Cavan a bridge and two reinforced concrete culverts were built. In Seymour about a half mile of road was constructed as well as a hill cut down. Cramahe does some splendid work in road construction, both as to grading and gravelling. The other townships did resurfacing for the most part.

PETERBORO COUNTY

The construction work carried out in this County is confined almost wholly to the suburban area, where splendid work is being done.

On Provincial County suburban area, about $5,000 was expended on half a mile of road, which included two reinforced concrete culverts. Nearly $5,000 was expended on the maintenance of the Provincial County roads, of which $1,380 was spent on grading road No. 100 and $2,600 on resurfacing it.

On County Suburban roads, $5,000 was spent on the construction of road No. 3, and $4,300 on road No. 17, chiefly for culverts.

Nearly $19,000 was spent on the maintenance of County roads. This is an expenditure of about $90 per mile on the whole of the County roads. In addition to the above about $7,700 was expended on the maintenance of County Suburban roads. Fifty-two pipe and tile culverts were laid, as well as 9 reinforced concrete culverts built. A number of small pieces were added to the machinery list during the summer, the largest item being 10 one-team graders, 6 for the county and 4 for the suburban roads.

Township Work

The southern townships in the County are working under The Ontario Highways Act. The township of Otonabee is doing some very good work both as to construction and maintenance. One reinforced concrete culvert was constructed and a number of steel pipes were placed in the roads. The gradient carried out was of a splendid class, as was also the resurfacing. In the other townships resurfacing comprised the greatest amount of their work. It is highly desirable that they make a more serious effort to give better drainage to their roads before embarking so heavily on gravelling.

TORONTO, February 1st, 1923.

W. A. McLEAN, ESQ.,
Deputy Minister of Highways, Ontario.

DEAR SIR:

I have the honour to submit a summary report on the work carried out on County roads and Township roads during the year 1922, in District No. 7, according to the provisions of The Highway Improvement Act and The Ontario Highways Act. This district includes the Counties of Hastings, Lennox and Addington, Frontenac, Leeds and Grenville, and Lanark.

In addition to the regular inspection, special visits were made at the request of the officials in different municipalities. The assistance provided by this Department is appreciated.

It is gratifying to report that the methods for carrying on the work and the results obtained are improving. This is particularly noticeable in construction work. More attention is also being given to maintenance, which, as yet, is not systematic enough in many instances to give the best results.

Labour conditions were fairly well back to normal again and help seemed plentiful, except during the harvest season.

Thirty-two townships in this district availed themselves of the aid as provided by The Ontario Highways Act.

Respectfully yours,

J. M. MACINNES,
District Engineer of Municipal Roads.

LANARK COUNTY

The Lanark County Road System embraces some 212 miles of road, of which 37 miles are Provincial County Roads and 175 miles are County Roads.

Work on Provincial County Road No. 83, known as the Perth to Lanark road, was continued northerly from Balderson to near the crossing of the Mississippi River, a distance of 2.5 miles. The average cost per mile was $17,166.00, which includes the widening of the right of way to 66 feet, the placing of 12 tile culverts, the building of 6 reinforced concrete culverts, grading and constructing a heavy base of field stone, with a bituminous macadam surface 16 feet wide. The construction of this road is being done very thoroughly, and when constructed the maintenance is given careful attention. On Provincial County Road No. 82, known as the Perth to Rideau Ferry road, the work done consisted in widening with field stone a part of the road that passes through a swamp. In all some $43,207.68 was expended on construction and some $8,844.84 on maintenance of Provincial County Roads.

On the County Roads approximately 16 miles were well constructed, of which 3 miles were surfaced with gravel, 11 miles with crushed stone, and 2 miles with bituminous macadam. This latter, which is the outstanding feature of the work, is located north of Carleton Place on road No. 28. Some of the grading, the stone base and the laying of tile culverts on this particular piece of work was carried out the previous season. The roadway was made 28 feet wide, and very well graded. Also a reinforced concrete bridge of 10-foot span and 26-foot clear roadway was constructed. Maintenance and repair work consisted mostly in shaping with a grader, and surfacing with crushed stone. In all some $48,768.14 was expended in the construction and $34,409.68 in the maintenance of county roads.

Township Work

The township work consisted mostly in maintaining by surfacing with crushed stone. Eight townships in this county availed themselves of the grant as provided by The Ontario Highways Act, seven of these appointing superintendents. In all about $19,600.00 was expended on the township roads.

HASTINGS COUNTY

On Provincial County Roads, some $37,404.46 was expended on construction. This amount covers the grading of 7.6 miles, 4 of which were surfaced with crushed stone and 3.6 miles with gravel, the placing of 25 pipe culverts and the building of two bridges, one a concrete and steel of 55 feet span, the other a reinforced concrete of 18 feet span. On maintenance the amount of $22,885.14 was expended. Surfacing with crushed stone, or gravel, and the widening of narrow roadways accounted for most of this expenditure. The connecting links through the villages of Marmora and Madoc were given surface treatment of oil.

On the construction of County roads, the sum of $21,670.36 was expended. This amount includes the grading and surfacing with gravel of 8.25 miles, the placing of 54 tile culverts, the building of one 5 ft. by 5 ft. reinforced concrete culvert, and the building of three reinforced concrete bridges, two of these having a span of 18 feet and the other a span of 11 feet. The sum of $28,923.57 was expended on County Road maintenance, surfacing with crushed stone or gravel accounting for the most of this amount. The section of road north of Cannifton that was constructed during the previous season received another treatment of oil.

On Provincial County and County Roads, more care was given to the dragging of gravel surfaces, and of crushed stone surfaces that had not been rolled.

One stone crusher and bin, one oil distributor and fourteen drags were added to the County outfit.

Township Work

Four townships availed themselves of the grant as provided by The Ontario Highways Act. Each township has a road superintendent. In all, $30,739.00 was expended. This was chiefly on surfacing with crushed stone or gravel. The township of Sidney built 10 reinforced concrete culverts, and one concrete and steel bridge of 20 feet span.

LENNOX AND ADDINGTON

On the construction of Provincial County roads the amount of $35,333.00 was expended. On road No. 25 three miles were ditched. A narrow rock cut was widened and the grade reduced, the material from the cut being used to widen and raise the fill, and also for finishing with a waterbound macadam surface. Four pipe culverts were placed. Road No. 35 having a narrow right-of-way, was surveyed, and where constructed the fences were moved back to give the required 66 feet. The road for 2.6 miles was graded, of which 1.6 miles was finished with waterbound macadam and one mile with gravel. Twenty-nine pipe culverts were placed. On road No. 54 about 2 miles were graded and finished with waterbound macadam. Five pipe culverts were placed. The sum of $10,266.58 was expended on maintenance, the most of this being surfacing with crushed stone or gravel. Badly rutted roads either on Provincial County or County roads were scarified, shaped with a grader and rolled.

The sum of $9,178.23 was expended on County Road construction. This amount covers the ditching and grading of 4 miles, the surfacing of one mile with waterbound macadam, the placing of 26 pipe culverts and also the making of a heavy rock fill on either side of the Floating Bay bridge. A new bridge is to replace the old one in the near future. One reinforced concrete bridge of 18-foot span was built on the Hastings boundary. Maintenance to the amount of $23,122.08 was carried out, this mostly being resurfacing with gravel or crushed stone. Two road drags, one sprinkling tank, one 12-ton roller with scarifier, and one steam drill were added to the outfit.

Township Work

The work on township roads consisted mostly in surfacing with crushed stone or gravel. Four of the townships in this county availed themselves of the grant as provided by The Ontario Highways Act. Each township appointed a superintendent. In all, $27,455.67 was expended. The township of Camden East added a stone crusher and two spreader wagons to their road building outfit.

FRONTENAC COUNTY

The County Road System comprises 53 miles of Provincial County roads and 152.5 miles of County roads, of which 10.5 miles and 30.5 miles are respectively Kingston suburban roads. On the construction and maintenance of Provincial County roads the sum of $15,192.56 was expended. Construction included rock cutting, the placing of seven tile culverts, building a concrete and steel bridge of 20-foot span and filling the approaches with stone, and building two reinforced concrete bridges, one a 16-foot span and the other a 22-foot span. Maintenance consisted mostly in resurfacing with crushed limestone. On road No. 137, 1.5 miles were surface treated with oil and covered with sand.

The sum of $37,761.82 was expended on County Road construction. This included the grading of 16 miles, of which 15 miles were surfaced with waterbound macadam, the metal used being crushed limestone, the widening of ¼ mile of fill with stone and placing a guard rail on either side, the placing of 34 tile culverts and the building of two reinforced concrete culverts. On maintenance work $20,632.00 was expended, resurfacing with crushed stone or gravel accounting for the most of this expenditure.

Town of Waterloo

Twenty-foot concrete pavement on North King Street, which is connecting link of Waterloo Provincial County Road.

Township Work

Four townships in this county availed themselves of The Ontario Highways Act. Each of these appointed a road superintendent. In all, some $22,185.00 was expended. The most of this expenditure being for surfacing with crushed stone or gravel.

LEEDS AND GRENVILLE

On Provincial County roads no heavy construction work was undertaken. The work consisted in finishing the Lombardy to Rideau Ferry road; the improving by grading and surfacing with crushed stone of a sharp turn, and the building of one reinforced concrete culvert. Maintenance was mostly resurfacing with crushed stone. In all, $25,128.00 was expended.

On County Road construction $60,586.00 was expended. This amount includes the grading of 8.8 miles, the surfacing of 13.5 miles with crushed stone, most of which was rolled, the surfacing of 2.4 miles with gravel, the placing of 19 tile culverts, the building of 6 reinforced concrete culverts, and the building of 3 bridges. Two of these are reinforced concrete with 14-ft. and 16-ft. spans; the other is concrete and steel, with 22-ft. span. On the maintenance of County roads the sum of $45,760.00 was expended, chiefly on resurfacing with crushed stone or gravel.

On Provincial County and County roads, rough surfaces were repaired by scarifying, shaping with a grader and then rolling.

Township Work

Eleven townships in this county availed themselves of the grant as provided by The Ontario Highways Act, nine of these appointing road superintendents. The sum of $65,252.00 was expended on township roads; the most of this was for resurfacing with crushed stone or gravel.

Toronto, February 1st, 1923.

W. A. McLean, Esq.,
Deputy Minister of Highways, Ontario.

Sir:

I have the honour to submit a summary report of the road improvement carried out under The Highway Improvement Act and The Ontario Highways Act during 1922 in the counties of Brant, Haldimand, Lincoln, Norfolk, Welland, and Wentworth.

The total expenditure in the six counties, exclusive of money expended on township roads and on Provincial Highways was $1,915,319.59, being slightly less than the amount expended during 1921. Most of the standard types of road construction were represented in the season's programme, namely: gravel, waterbound macadam, bituminous macadam, asphaltic concrete and cement concrete.

The most noticeable improvement to the work in general in the district was in the standard of grading. In practically every instance where a new grade was put up the standards required by the Department were fulfilled. This, I think, is due in no small degree to the object lesson gleaned from observation of the splendid grades on the Provincial Highways throughout the district.

The same improvement is noticeable in the work being performed by the townships, the majority of which, with the exception of those in Norfolk and Brant counties, have township superintendents in charge of their road improvement.

Respectfully submitted,

J. H. Hawes,
District Engineer of Municipal Roads·

BRANT COUNTY

The construction programme in Brant County during the season of 1922 was for the most part a continuation of the work begun the preceding year. The chief item of expenditure was the construction of two and one-half miles of concrete pavement, nine feet in width, on the Burford road, continuing from where the work stopped last year to the limit of the suburban portion of this road. This nine-foot strip was built on the north side of the road and a gravel road of similar width alongside provided an eighteen-foot roadway. This arrangement has been found to work very satisfactorily here, the concrete carrying practically all the motor traffic, so that the gravel has to take care of only the turn-out traffic and consequently incurs a very low maintenance charge. On the Cockshutt road considerable heavy grading was done and four fills totalling approximately 34,000 cubic yards of earth were made to replace old wooden trestles. This work was done by day labour at a cost of thirty-seven cents per cubic yard. The greater part of this road is graded to Provincial County standard and additional right of way has been acquired throughout where necessary.

On Provincial County Road No. 50, two miles of standard grade and ditch were constructed, and surfaced with crushed gravel. On County roads six miles of standard grade was put up and surfaced with gravel. An eighteen-foot concrete slab was laid on the County road known as the Ava road, leading northwesterly from Brantford city limits for a distance of 0.8 mile.

The bulk of the expenditure for maintenance was for gravel, resurfacing and dragging. It is the policy in this County to give all their gravel roads a light resurfacing with fine gravel each year so as to keep a floating surface of fine material. This keeps the road in such a condition that it can be dragged when necessary. Something over thirty miles of this gravel maintenance was carried out and three miles of bituminous surface treatment was put on in the vicinity of St. George on Road No. 50. About five miles of oiling was done in various places throughout the county.

Three bridges were constructed during the season, the spans being 12 feet, 14 and 88 feet. The two former are of the same design as the department's standard reinforced concrete culvert, while the latter is a steel truss on concrete abutments, over Kenny Creek on the Burford Road. A temporary plank floor was laid on this bridge, as it was considered too late in the season to put on the concrete deck after the steel was put in place.

The total expenditure for the year was $216,979.16, of which approximately $80,000.00 was spent on the Brantford Suburban roads. County Road No. 6, otherwise known as the Galt road, leading north from the city of Brantford, was designated a Provincial County road in 1922.

Township Work

All of the townships in Brant County availed themselves of the Provincial subsidy on their season's work. The township of Brantford had an expenditure of over $28,000 exclusive of their statute labour. The township of Oakland is the only one which has entirely abolished statute labour. The township work on the whole was very satisfactory during 1922, consisting chiefly of the construction of concrete culverts, grading and gravelling. The combined expenditure of the five townships was approximately $54,000.00.

HALDIMAND COUNTY

The outstanding feature of the work in Haldimand this year was the practical completion of the grading and drainage of the entire County Road system, only about eight miles of the more recently designated portions remaining to be graded. A total of 8.5 miles of grade was built on the road from Blackheath south to the Provincial Highway at an average cost of $1,950.00 per mile, exclusive of culverts.

On the County Roads, 31.5 miles of road grade were built in various places throughout the system. The grading of these roads is a decided improvement to the system, especially to those portions having no metalled surface, since it makes it possible to properly drag and maintain them.

This county at present has a large mileage of waterbound macadam road which is in need of resurfacing. It is proposed to experiment with gravel for this purpose. A film of about two inches of gravel has been spread on some portions and if it proves successful it is proposed to convert a large part of the present macadam roads into gravel surfaced roads and maintain them as such. At the latest observation this method appeared to be working out quite satisfactorily. 10.25 miles of new waterbound macadam, 12 feet in width, were built and 4.25 miles of gravel road.

Special grants aggregating $13,416.28 were made to the villages of Hagersville, Caledonia and Cayuga, for the improvement of connecting links on the County road system through these villages. 3,071.36 square yards of concrete pavement were laid in the village of Cayuga, on Cayuga and Norton Streets, connecting County Road No. 17 with the Provincial Highway.

The only bridge work of importance was the construction of a 50-ft. reinforced concrete arch with 20-ft. roadway over MacKenzie Creek, on the road leading south from Caledonia village.

Of a total expenditure of $161,661.26, $15,125.54 was spent on maintenance and $7,380.67 on machinery. The maintenance consisted chiefly of dragging on the earth roads and some resurfacing on the macadam roads. The only new machinery of any consequence purchased was a rock crusher.

Township Work

A marked improvement was noted in the work carried out in the different townships. The grading is of a much higher standard than heretofore, chiefly owing to the lessons learned from observations of the grading operations, on the County and Provincial Highway system. Also with regard to their culverts, the old, narrow wooden structures are being replaced by reinforced concrete of approved design as rapidly as finances will allow. The work in the majority of the townships is under the direction of a permanent township superintendent.

Toronto-Port Hope Provincial Highway
Asphaltic concrete pavement twenty feet wide in Pickering Township.

LINCOLN COUNTY

Lincoln County this year had one of the largest programmes in road construction in its history, most of the standard types being represented in the season's work, namely: concrete, bituminous macadam, macadam surface treated, waterbound macadam and gravel. Practically all the construction work was done under contract. The maintenance was looked after by a well organized system of patrolmen. Each patrolman had a beat of from three to five miles, for which he was responsible in the matter of dragging or patching the road. For the maintenance of the bituminous macadam roads, of which there is now approximately twenty-eight miles, a small gang with a light truck and the necessary equipment was steadily at work.

The construction programme consisted of over twenty miles of 24-ft. grade, 19 miles of waterbound macadam varying from 10 to 18 feet in width according to the importance of the road, 5½ miles of bituminous macadam and two miles of gravel.

Since Lincoln County came into the good roads scheme in 1904, the system has grown to approximately 180 miles, including the Lincoln and St. Catharines Suburban roads. Out of this 180 miles the following has been constructed to date: Concrete, 4.75 miles; asphalt, 0.5 miles; bituminous macadam, 28.5 miles; waterbound macadam, 65.0 miles, gravel, 16.5 miles. This leaves approximately 65 miles of earth roads still to be surfaced, but of this a large portion has been properly graded and drained and is being maintained as earth roads. During the summer season these are kept in good condition with the drag.

The work on the Suburban roads for the past season consisted chiefly of maintenance, the only construction work of importance being one-quarter mile of concrete pavement with a nine-foot macadam road alongside on the Martindale hill. The Lincoln and St. Catharines Suburban Roads Commission since its inauguration has done very creditable work. Of the 12.2 miles of road under their jurisdiction, 9 miles have been constructed, of which 4.75 are of concrete.

Township Work

The township work in this county is above the general average. The townships have all abolished statute labour years ago and their work, with the exception of the township of Niagara, is in charge of township superintendents. A large proportion of the roads in the townships adjoining the lake have been gravelled with lake gravel, while surfacing on roads above the escarpment consisted of macadam.

The township of North Grimsby made an interesting experiment during the season for the purpose of collecting lake gravel. A concrete pier was built out into the lake for a distance of about 75 feet and when last visited seemed to be accomplishing its purpose quite thoroughly. A gravel beach had been built up in the course of a few weeks extending out possibly fifty feet from the original shore line at the pier and tapering off to nothing about 800 feet east along the shore. Thus it served the double purpose of protecting the shore line which was washing away rapidly at this point and of storing up a supply of good gravel.

NORFOLK COUNTY

The largest single piece of construction in Norfolk County during the season was on Provincial County Road No. 29, leading north from Simcoe. Slightly over two miles was graded 28 feet wide, with an 18-foot bituminous macadam top, at an average cost of approximately $19,000. Two small concrete bridges of 10-foot span were also built on this road to replace the existing wooden structures. This completes a continuous stretch of about eight miles of bituminous macadam leading from Port Dover through the town of Simcoe.

Four and one-half miles of bituminous macadam were also completed on roads eight and nine in the vicinity of Port Rowan.

On roads sixteen and seventeen, in the vicinity of Teeterville, in the Township of Windham, 2½ miles of crushed gravel surface, 16 feet in width, were completed.

The above types of road, namely, bituminous macadam and gravel, are the only ones being built in this county. There is at present a considerable mileage of splendid gravel road in the county.

Considerable winter gravelling was done on several of the roads by way of maintenance. As a rule this work is not nearly as satisfactory as when done during the summer season, but labour being much cheaper during the winter months, the county feels justified in adopting this method of resurfacing some of the roads of lesser importance. By the judicious use of the drag and small grader as early as practicable in the spring, these roads can be brought into good condition. In the western portion of the county it is impracticable to undertake any considerable amount of grading before the time of putting on gravel or other surfacing material owing to the sandy nature of the soil. The natural grade will not keep its shape for any length of time.

Township Work

The township of Townsend abolished statute labour in 1921, and during the past two seasons has put up about 60 miles of grade of a fair standard for township grading. In 1922, they dispensed with the services of the superintendent of the previous year, and left the work under the supervision of the various councillors. A fair amount of work was accomplished, though not as satisfactory as under the supervision of one superintendent. The township of Woodhouse has commuted statute labour and is doing fair work, though they have not yet learned the lesson of spreading their gravel sufficiently.

The remaining townships still cling to statute labour and for the most part are still employing the antiquated methods of road making which are characteristic of that system.

WELLAND COUNTY

Welland led the counties in this district with a total expenditure of $568,191.23 for the season, $483,483.98 being expended on construction and $84,707.25 on maintenance.

The total mileage of the county system is at present about 171 miles, of which 115 miles are county roads, and 46 miles provincial county roads. Thirteen miles of additional Provincial County road were designated during the year, consisting of what is known as the Creek Road, leading from Becket's Bridge across the Welland River to the western boundary of the County, and the road leading from Thorold southerly to the Provincial Highway.

Approximately ten miles of bituminous macadam, 16 feet in width, were constructed, eight miles of which were within the Welland and Niagara Falls Suburban Areas, and two miles on the Garrison Road west of the road leading to Ridgeway and Crystal Beach. This is a continuation of the bituminous macadam road leading west from Fort Erie, which was built in 1920 and 1921. About 5¾ miles of waterbound macadam, 16 feet in width, were constructed on the new Provincial County road leading west from Becket's Bridge and 1¼ miles westward from Fenwick to the county boundary. Approximately 15 miles of waterbound macadam 9 feet in width was constructed on the County roads at various places throughout the system. In the neighbourhood of 40 miles of new grade was put up including the grading in connection with the various contracts.

No new bridge construction was undertaken, but the bridge over the Little Forks creek on the Creek road was extended to conform to Provincial County standards.

The entire programme of construction was carried out under contract, the county equipment being engaged in maintenance work throughout the county. The average cost per mile for 9 foot waterbound macadam was $8,500.00, the the price for bituminous macadam ranged from $15,750 per mile to $16,200 per mile. In addition to the above, 1.5 miles of gravel road was constructed in the township of Pelham, the gravel being purchased from the township.

The maintenance work consisted chiefly of resurfacing of macadam roads with two inch crushed stone. The road from Crystal Beach to the Garrison Road and Provincial County Road No. 69 from Port Colborne to Marshville, were given a bituminous surface treatment. When last inspected the surface treatment from Port Colborne to Marshville appeared to be quite satisfactory, but that on the road leading to Crystal Beach was disintegrating under the heavy traffic between Buffalo and Crystal Beach. This, during the summer months, reached a maximum of 5,000 vehicles per day on Sunday.

Many of the county roads suffered severely during the season from detour traffic during the construction of Provincial Highways in their vicinity, especially those in the townships of Thorold and Stamford.

Township Work

With the exception of the township of Willoughby, which still operates under the statute labour system, every township in the county is in receipt of the 20 per cent. subsidy from the Province on their road work. Their work in every case is under the direction of a township superintendent, and in general is very satisfactory With the exception of the township of Pelham and those bordering on Lake Erie, no gravel is available. The remaining townships have to depend on quarried stone for their surfacing material, which makes the work more costly. On account of the construction on the Provincial Highway in the townships of Thorold and Stamford, heavy truck traffic was detoured over the township roads. This made work of a permanent nature practically impossible in these townships.

WENTWORTH COUNTY

The total expenditure in Wentworth for 1922, including the expenditure of the Wentworth and Hamilton Suburban Roads Commission, was $282,343.98. This exceeds by about $30,000.00 the 1921 expenditure.

The ratio of expenditure on construction as compared with maintenance, during the past season was much higher than heretofore, and more permanent work was accomplished than in any preceding year. The more important items of construction consisted of the laying of one and five-eighths miles of concrete pavement ten feet wide, with three foot bituminous macadam shoulders on Provincial County road No. 105, leading north from Binbrook village. One and one-quarter miles of similar pavement was constructed by the Suburban Roads Commission leading south from the City of Hamilton on the same road. The bridge known as Woodburn Bridge, immediately south of the village of Woodburn, was completed during the season, the south abutment having been previously built. This is a reinforced concrete structure with a span of forty-five feet and a clear width of roadway of twenty-four feet, and is a very creditable piece of work. Two large culverts were built, one with a span of fourteen feet and twenty-eight feet in length, between lots 10 and 11, in Concession 4, township of Barton; the other a ten-foot span and the same length between lots 24 and 25, concession 2, in the township of Saltfleet. This with a few exceptions practically cleans up the bridge and culvert work in Wentworth, and the structures built to date are a credit to the county. Waterbound macadam roads constructed on various parts of the system totalled thirteen and one-half miles, and gravel one and one-half miles.

By way of maintenance, $39,885.84 was spent on the repair of existing macadam roads, and $4,691.55 on bituminous surface treatment of macadam roads. Thirty-five tile culverts were installed throughout the system and seven concrete box culverts were constructed.

Township Work

All the townships with the exception of Beverley have either commuted or abolished statute labour, and most of them are doing good work, especially the townships of East Flamboro, Barton, and Saltfleet. East Flamboro township now has a gravel or macadam surface on nearly all the roads in the southern three-quarters of the township. Saltfleet has the same on all the roads below the mountain. Barton township still has a large mileage of clay roads, but laid a considerable amount of macadam on roads adjoining the city of Hamilton.

REPORT OF PROVINCIAL HIGHWAY FORESTER

Toronto, February 1st, 1923.

W. A. McLean, Esq.,
Deputy Minister of Highways, Ontario.

Sir:

I submit herewith a report of the principal operations undertaken by the Highway Forestry Branch during the years 1921 and 1922, and also a report on the control of advertising devices such as signboards along the Provincial Highways which work is very closely associated with the work of reforesting and beautifying the Highways.

Respectfully submitted,

H. J. Moore,
Provincial Highway Forester.

The practice of planting trees along the Provincial Highways was continued during the year 1921. 15,000 shade trees were planted on approximately 112 miles of road. The number of trees planted during the spring and fall seasons was about equal.

In addition to the above, 2,500 seedling Scotch pines were planted on the slopes at the westerly end of the cut at the Rouge 15 miles east of Toronto, on the Kingston Road. On the slopes of the cut at the easterly side of the bridge, small trees and shrubs were planted, these latter being obtained from the bush lands adjacent.

PLANS AND ADVICE

The Highway Forestry Department received a large number of requests for plans to enable residents on the Provincial Highways, and organizations to beautify the surroundings of homes, or to improve areas in which they were interested. A considerable number of requests for advice as to choice of trees and shrubs for planting were also received. Whenever plans were required to beautify areas such as home frontages, surroundings of schools, cemeteries or park areas which touched the Provincial Highways, these were prepared and furnished gratis to those who made the request. In all 30 plans were prepared comprising departmental 8, municipal 5, schools and college grounds 6, private grounds 4, cemeteries and memorials 3.

The giving of plans to make possible the beautification of areas adjacent to the Highways of Ontario is to be commended for two reasons, (a) homes with beautiful surroundings generally will have an influence for good in the lives of children who occupy them, and who will be the citizens of to-morrow; (b) beautified areas and home surroundings along the Highways not only speak eloquently of prosperity and of happiness, but are a source of attraction to tourists and others who use the roads. By preparing these plans the Department has started a real movement for better and brighter home surroundings, the influence of which will be felt more and more as the years go by.

LECTURES

During the spring of 1921, the Highway Forester addressed forty-five meetings, chiefly in the evenings, in the interests of the Department and of the Department of Agriculture on such subjects as Beautification of Roads, Laying Out of Home Grounds, and Planting Herbaceous Perennial Borders. In addition to these, five lectures were given on tree pruning to officials and men of the Bell Telephone Company and the Ontario Hydro-Electric Power Commission at Toronto, Oshawa, London, Chatham and Windsor. These lectures were illustrated by lantern slides and were well attended. Requests were received by the Department to hold similar meetings in Eastern Ontario, during 1922, from the Ontario Hydro-Electric Power Commission and the Bell Telephone Company, the centres chosen being Belleville, Kingston and Ottawa. A request was also received from Montreal; this was acceded to as a large number of the Bell Telephone Company's men operate out of Montreal along the Ottawa-Point Fortune Highway, and between Kingston and Lancaster, these being Highways of the Province of Ontario.

By holding meetings of the forementioned character, a large number of men are instructed in the proper methods of tree pruning and it is really astonishing to note the change in the way in which individually the men apply themselves to their work. The influence of this instruction is not only confined to tree pruning along the Highways, but has spread to urban and other municipalities where greater care is taken, and better methods applied when the men employed by the Bell Telephone Company and the Ontario Hydro-Electric Commission have trees to prune.

At least the officials of the forementioned utilities have tried to work in active and earnest co-operation with the Department of Public Highways. They have urged common-sense methods while trimming the trees which interfered with their services, so that little if any mutilation of these has occurred along the Highways.

INJURY TO ROADSIDE TREES

On account of some little injury to newly planted trees caused by animals which were allowed to stray along the Highways, several offending owners were warned. In some cases they seemed to think that there was no law to prevent this trespass; happily, however, they soon became convinced otherwise and of the seriousness of the act of allowing horses and cattle to stray. Apart from the act of trespass and of injury to trees, there is also the possibility of injury to motorists and others, to say nothing of the possible loss of the animals through colliding with motor vehicles.

Injury to trees, especially to the mature ones, along the Provincial Highways, was also caused during 1921, as in other years, by caterpillars of various sorts. Such injury is bound to accrue as long as owners of trees everywhere are apathetic to the damage. The attacks of the caterpillars of the tussock moth are too well-known to need mention herein. In some towns and cities, steps have been taken to control it, but in the country practically none.

What is true of the tussock moth is true of the Handmaid moth (*Datana Integerrima*) the ugly black caterpillars of which are slowly but surely draining the life blood of our beautiful black walnuts everywhere. It has been said that while this caterpillar is a destroyer of the beauty of the trees, as it attacks and devours the leaves too late in the season (August) to do much harm, and does not really destroy the life of the tree.

The observation of the writer is that the continued attacks year by year on the same trees, even as late as August, can have but one result, namely to weaken and to ultimately kill the trees. In fact, hundreds of dead or dying trees testify to the havoc wrought by the caterpillars, the injury being directly traceable to this cause.

DEPARTMENTAL AND OTHER PARKS

In continuing the policy of the Department in cleaning up and beautifying the areas at road intersections, that at the intersection of the Kingston Road and Burnham Street, at Cobourg was seeded and was prepared to receive shrubs. From midsummer onward the well-kept grassy area presented a very pleasing effect, and in direct contrast to what had previously pertained at this point.

The small park area at Welcome corner, near Port Hope, which was laid out during 1920, was maintained in large measure voluntarily by residents of the locality and to their credit be it said that the neatly kept area with its green lawns and plantations of flowering shrubs was greatly admired by motorists, many of whom stopped to comment on its appearance.

During the year the Department co-operated with the residents and council of Stamford Township to clean up and to beautify as far as possible the area known as "Stamford Green." The council donated a sum of $500 to carry out the work. A plan was prepared by the Department, and arrangements made to plant the area at the southerly point of the green, at the intersection of the St. Davids-Niagara Falls Provincial Highway and the Stamford-Queenston Road. This area will be completed during the year 1922.

The planting of trees was continued along the Provincial Highways during 1922. 15,500 trees were planted in alignment or were grouped, along the Highway. Approximately ninety miles of road were planted during 1922.

Port Hope-Belleville Provincial Highway

Scenic section of the road showing the trees trimmed to admit sun and air, permitting the snow to melt, and the road to dry quickly in the spring.

INSTRUCTION IN TREE PRUNING

With a view to instructing the employees of the Bell and other telephone companies, and of the Ontario Hydro Electric Commission in tree pruning, meetings were held at Kingston and Ottawa. Both were well attended. This was effected in continuation of a policy established during 1921, when five meetings were held. The value of this instruction will be more fully realized when it is stated that not only do these men prune the trees along the Provincial Highways, but also along practically all roads and in all municipalities in the Province. In the work also there is a moral. The men more intimately understand the Forester, and he more intimately understands them, thus a feeling of co-operation and of friendship is created, and out of this respect is created by both parties, for each other and for the interests they represent.

REFORESTING SLOPES

In the spring of 1922, 2,500 three-year-old Scotch pines were planted with the three-fold purpose of holding the slopes upon which planted, to beautify the areas and to produce lumber of commercial quality in the future. The pines were planted about five or six feet apart in large groups, which spacing will allow of later thinning out of the trees for the sake of beauty, or of a natural system of reforestation if desired. The areas planted were the south side of the Rouge cut east of Toronto, and the slopes at Springer Hill near St. Thomas.

For similar reforestation projects an application was made to the Ontario Forestry Department for 30,000 seedling trees of various kinds to be planted during 1923, on the slopes of cuts and fills, or on otherwise waste areas along the Highways. Included in this consignment will be Scotch Pines, Hard Maples, Red Oaks, and Black Walnuts.

PARKS AND WASTE AREAS

The designing and laying out of various park areas was undertaken during 1922. The area at the intersection of Main Street, Hamilton, and the Stoney Creek road was graded to receive the soldiers' memorial which is to be built by popular subscription, and to allow of trees and shrubs with which it is intended to effect beautification. The people responsible for the erection of the memorial are to be complimented, for beautiful as it is in design and of an imposing height, it will be seen from all directions, and will prove a source of great attraction to residents and tourists alike. The grading and planting of the easterly approach to St. Catharines, embracing two strips of land, 1,800 feet in length along the new pavement, was effected during the fall. The Provincial Highway at this point separates the older portion of the Victoria Lawn Cemetery from the new cemetery. The planted portion thus is not only an approach to the city, but also to the beautiful cemetery. Were it not for the co-operation of the cemetery board, and especial of Mr. Cameron, the Superintendent, who undertook the planting, the work could not have been accomplished during 1922.

INFORMATION TO PROPERTY HOLDERS

Enquiries too numerous to specify, relative to home beautification, reached the Forester's Department during the year 1922; these chiefly from residents whose property touched the Highway, but also from many others. In some cases plans were prepared to enable those who enquired to lay out their grounds.

Perhaps the greatest number of enquiries were about phases of tree planting and pruning. These were answered as fully as information at command would allow. In view of these enquiries which showed the need of information in some concise form, a pamphlet, "The Planting and Care of Roadside Trees," was prepared. This is well illustrated and is now available to all who apply for same to the Department of Public Highways.

ROAD WIDENING MEETINGS

In order to present the advantages of road widening along the Provincial Highways to owners of property along these, road widening meetings were held during 1922 at Cooksville, Erindale and Aldershot, along the Dundas Road Provincial Highway; at Woodslee, Thamesville, Wardsville and Melbourne, on the Longwoods Road; and at Lambeth, on the London-St. Thomas Provincial Highway.

Sometimes a little opposition was experienced to the policy of widening the Highways to a width of 86 feet. However, in fairness to the property owners, it should be said that once the advantages have been explained and are understood and the conditions of purchase elucidated, the opposition is generally withdrawn. In some cases those who had previously opposed it now lead the movement to widen the Highways.

INJURY TO TREES

A little injury to new trees planted along the Provincial Highways occurred during 1921 through trespass of cattle. In a few cases trees were broken off at the top of the stake by cows which illegally were allowed to browse on the planting strip. The owners of the animals were warned of the consequences of further trespass with the result that the practice was stopped.

Considerable injury was again inflicted on the black walnut trees along the Hamilton-Queenston Provincial Highway and on lands adjoining same by the caterpillars of the Handmaid Moth (*Datana integerrima*). These caterpillars, year by year during the months of August and September, defoliate the trees, thus reducing their vitality. Frequently during a mild autumn the buds which are formed to produce next year's leaves appear soon after the original leaves are eaten, with the result that the frost kills them, and few, if any, remain for next year's growth. The young caterpillars of the Handmaid Moth prey largely upon the hickories and defoliate these and also many other species.

It is supposed that owing to the lateness of the attack, August and September, that little damage is done. This is erroneous, and the continued attacks are slowly but surely killing the trees. Next year it will be necessary for this Department to take effective steps by collecting the caterpillars or by spraying the trees to eradicate the pest.

INTEREST SHOWN IN THE WORK

Perhaps the most pleasing feature in connection with the work of planting trees along the highways was the interest displayed by residents and organizations in the work.

Municipal organizations in many cases extended offers to co-operate in the work of planting trees and in the beautifying of the approaches to their respective towns and cities or of waste areas adjacent thereto, within reasonable limits of expenditure.

The Chamber of Commerce and the Town Council of Bowmanville are interested in the laying out of two small parks, to be maintained by the municipality, and for which plans have been prepared.

The Cemetery Board at St. Catharines have materially assisted in the laying out and in beautifying the easterly approach to the city and to the Victoria Lawn Cemetery, which work is now practically completed and is to be maintained by the cemetery board.

The Kiwanis Club of Guelph offered to pay one-half the cost of planting an avenue of trees one mile long on the Hamilton-Guelph Highway; unfortunately the land necessary to widen the right of way had not been obtained at that point at the time of the offer. Perhaps, however, the offer will be extended.

The Chamber of Commerce of Hamilton, through Mr. John A. Webber, the chairman of the Beautification Committee, have requested permission to supply one thousand trees to be planted as a memorial avenue, the Department to plant the trees. This will extend from the easterly limits of the City of Hamilton along the new Main Street Provincial Highway to the point of intersection of the said highway and the Stoney Creek Road. The Township of Saltfleet, or at least a committee appointed by such, consisting largely of members from Winona and Stoney Creek, under the chairmanship of Senator E. D. Smith, started the work of building a beautiful granite memorial on the area at the intersection mentioned in the last paragraph. This imposing monument is at the termination of the proposed memorial avenue from Hamilton eastward, and it is fitting that a dignified memorial avenue of trees should lead to a dignified structure. The combination will be a very happy one if the work is effected as proposed.

Year by year greater interest is being shown in tree planting and in cleaning up and beautifying waste areas as far as is within reason. Not only so, but as shown in this report, material help is being afforded the Department by some of the best and most influential people and organizations.

It would not be fair to omit from mention Horticultural and other societies which are under the superintendence of Mr. J. Lockie Wilson, which, though their funds are not large, have extended their financial as well as their moral support to effect the beautification of the Highways which run through their municipalities.

Certain it is that partly through the aid of individuals and organizations, the Highways in the Province of Ontario are going to take on a different appearance, especially at the approaches to the municipalities, and at no great cost to the Department.

CONTROL OF SIGNBOARDS

The control of signboards and other advertising devices along the Provincial Highways of Ontario, during the year 1922, was as far as possible effected. The first act of this Department was to order the removal of all signs on the right of way such as are generally found nailed to fences and to trees. Failure of the owners of these signs to comply with the requests was followed by their removal by the Department. In all some 2,000 small signs were removed. In some cases signs were replaced by others which were fastened to the fence wire by means of steel wire and pliers, almost as soon as the Resident Engineers had removed the previous ones. These were also removed, although at some trouble.

During the year, considerable work was entailed in checking up the existing signboards along the Provincial Highways. Some little difficulty presented itself but was largely overcome. The owners of the signs and the sites had to be located, and each in turn had to be notified of the necessity of complying with the Regulations. A large number of signboards were removed. The owners of these in some cases could not be found, and in others did not care to license the boards.

The method of control had first to be planned, as being an innovation careful steps had to be taken. The plan decided upon was to issue order to the Resident Engineers to prevent any new signs being erected unless a license had been obtained. The matter then resolved itself into the control of existing signs. In some cases it was found that leases for a number of years existed and that considerable money had been spent in leasing the sites and in painting and erecting the signboards. Generally, it was found that the owners desired to comply with the regulations, although it must be admitted that recourse may have to be made to legal proceedings in one or two cases.

The total number of signs licensed during the year 1922 was 56, comprising 17 along the Toronto and Hamilton Highway and 39 along Provincial Highways. The signs were of various sizes, twenty being 50 feet in length, thirty-four 10 feet in length, and two being less than 10 feet long. The total amount received in license fees was three hundred and seventy-two dollars ($372.00), distributed as follows: Toronto and Hamilton Highway, $170.00; Provincial Highways, $202.00.

REPORT OF REGISTRAR OF MOTOR VEHICLES

Toronto, February 1st, 1923.

W. A. McLean, Esq.,
Deputy Minister of Public Highways, Ontario.

Sir:

I beg to submit herewith the annual report of the Motor Vehicles Branch for the year 1922.

This report shows in detail: The motor vehicle registrations for the calendar year 1922, arranged according to the residence and occupation of owners, the model, horsepower, and number of cylinders of passenger cars, the model and carrying capacity of commercial vehicles, the carrying capacity of trailers, and the residence of chauffeurs, dealers and garages. A summary of the convictions registered under The Motor Vehicles Act and reported to the Branch during the calendar year 1922.

In connection with the convictions reported under The Motor Vehicles Act, I might say that while the greater number of the Magistrates throughout the Province are forwarding their reports, as required by the Act, there are apparently some Magistrates who do not make reports and consequently our records are not as complete as they might be were all the Magistrates co-operating in this regard.

Respectfully submitted,

J. P. BICKELL,
Registrar of Motor Vehicles.

PASSENGER CARS REGISTERED, 1922

Counties		Cities		Total
Algoma	990	Sault Ste. Marie	1,105	2,095
Brant	1,663	Brantford	1,779	3,442
Bruce	3,670		....	3,670
Carleton	2,030	Ottawa	5,045	7,075
Dufferin	1,669		....	1,669
Dundas	1,498		....	1,498
Durham	1,735		....	1,735
Elgin	3,338	St. Thomas	1,345	4,683
Essex	7,238	Windsor	3,786	11,024
Frontenac	1,317	Kingston	1,250	2,567
Glengarry	872		....	872
Grenville	1,066		....	1,066
Grey	3,629	Owen Sound	888	4,517
Haldimand	2,706		....	2,706
Haliburton	172		....	172
Halton	2,420		....	2,420
Hastings	3,477	Belleville	945	4,422
Huron	4,385		....	4,385
Kenora	137		....	137
Kent	5,897	Chatham	1,486	7,383
Lambton	3,965	Sarnia	1,258	5,223
Lanark	1,887		....	1,887
Leeds	2,559		....	2,559
Lennox and Addington	1,579		....	1,579
Lincoln	2,186	St. Catharines	1,402	3,588
Manitoulin	638		....	638
Middlesex	4,900	London	4,742	9,642
Muskoka	793		....	793
Nipissing	1,340		....	1,340
Norfolk	2,595		....	2,595
Northumberland	2,679		....	2,679
Ontario	3,581		....	3,581
Oxford	4,194	Woodstock	796	4,990
Parry Sound	820		....	820
Peel	2,313		....	2,313
Perth	3,209	Stratford	1,169	4,378
Peterboro	1,760	Peterboro	1,306	3,066
Prescott	972		....	972
Prince Edward	1,700		....	1,700
Rainy River	569		....	569
Renfrew	2,227		....	2,227
Russell	625		....	625
Simcoe	5,820		....	5,820
Stormont	1,571		....	1,571
Sudbury	1,281		....	1,281
Thunder Bay	388	Fort William	899	
		Port Arthur	746	2,033
Temiskaming	937		....	937
Victoria	2,304		....	2,304
Waterloo	3,541	Galt	849	
		Kitchener	1,777	6,167
Welland	3,323	Niagara Falls	1,516	
		Welland	959	5,798
Wellington	3,144	Guelph	1,145	4,289
Wentworth	2,775	Hamilton	7,989	10,764
York	6,538	Toronto	37,204	43,742
Foreign	325		....	325
	128 347		81,386	210,333

PASSENGER CARS REGISTERED, 1922, ACCORDING TO OCCUPATIONS OF OWNERS

Farmers	68,049
Merchants	17,834
Tradesmen	31,027
Professional	8,092
Manufacturers	5,058
Doctors	3,863
Livery and Garages	5,929
Commercial Travellers	3,614
Firms	2,882
Real Estate Agents	1,240
Cartage Agents	623
Insurance Agents	1,323
Agents	6,496
Contractors	3,708
Undertakers	431
Clerks	9,327
Labourers	6,675
Managers	10,083
Police	572
Drovers	572
Soldiers	213
Unoccupied	16,435
Unclassified	5,616
Municipal Corporations	138
Public Utilities	109
Banks	41
Railways	15
Dominion Government	108
Ontario Government	256
Hospitals	4
	210,333

PASSENGER CARS REGISTERED, 1922

Horse Power

22.5	101,003	
15	137	
16–20	28,277	
21–25	53,706	
26–30	22,248	
31–35	2,590	
36–40	1,736	
41–45	356	
46–50	158	
51 up	15	
Electric	107	
		210,333

Motive Power

Gasoline	210,221	
Electric	107	
Steam	5	
		210,333

Registrations

Originals	30,749	
Renewals	179,584	
		210,333

Models

Touring cars	170,528	
Runabouts	13,945	
Sedans	14,850	
Coupes	10,874	
Taxicabs	136	
Buses	....	
		210,333

Cylinders

Less than 4 cylinders	8	
4 cylinders	184,674	
6 cylinders	23,639	
8 cylinders	1,714	
12 cylinders	191	
Electric	107	
		210,333

COMMERCIAL CARS REGISTERED, 1922

Counties		Cities		Total
Algoma	72	Sault Ste. Marie	150	222
Brant	99	Brantford	324	423
Bruce	145		....	145
Carleton	123	Ottawa	996	1,119
Dufferin	61		....	61
Dundas	56		....	56
Durham	96		....	96
Elgin	116	St. Thomas	51	167
Essex	749	Windsor	711	1,460
Frontenac	69	Kingston	148	217
Glengarry	29		....	29
Grenville	72		....	72
Grey	117	Owen Sound	87	204
Haldimand	143		....	143
Haliburton	7		....	7
Halton	302		....	302
Hastings	164	Belleville	136	300
Huron	184		....	184
Kenora	36		....	36
Kent	246	Chatham	247	493
Lambton	184	Sarnia	143	327
Lanark	78		....	78
Leeds	192		....	192
Lennox and Addington	89		....	89
Lincoln	366	St. Catharines	344	710
Manitoulin	13		....	13
Middlesex	267	London	950	1,217
Muskoka	50		....	50
Nipissing	64		....	64
Norfolk	159		....	159
Northumberland	174		....	174
Ontario	282		....	282
Oxford	236	Woodstock	113	349
Parry Sound	39		....	39
Peel	283		....	283
Perth	154	Stratford	144	298
Peterboro	78	Peterboro	172	250
Prescott	49		....	49
Prince Edward	112		....	112
Rainy River	42		....	42
Renfrew	110		....	110
Russell	57		....	57
Simcoe	323		....	323
Stormont	71		....	71
Sudbury	101		....	101
Thunder Bay	29	Fort William	178	
		Port Arthur	126	333
Temiskaming	127		....	127
Victoria	126		....	126
Waterloo	224	Galt	132	
		Kitchener	223	579
Welland	396	Niagara Falls	279	
		Welland	121	796
Wellington	131	Guelph	143	274
Wentworth	473	Hamilton	1438	1,911
York	1,083	Toronto	7,384	8,467
Foreign	376		....	376
	9,424		14,740	24,164

COMMERCIAL CARS REGISTERED, 1922

According to Occupations of Owners

Farmers	2,404
Merchants	4,287
Tradesmen	1,305
Professional	64
Manufacturers	556
Doctors	3
Livery and garages	726
Commercial Travellers	27
Firms	7,634
Real Estate Agents	13
Cartage Agents	2,312
Insurance Agents	5
Agents	718
Contractors	740
Undertakers	401
Clerks	90
Labourers	271
Managers	101
Police	24
Drovers	28
Soldiers	4
Unoccupied	590
Unclassified	887
Municipal Corporations	382
Public Utilities	260
Banks	2
Railways	10
Dominion Government	137
Ontario Government	174
Hospitals	9
	24,164

COMMERCIAL CARS REGISTERED, 1922

Carrying Capacity

½	9,084	
1	10,496	
1½	1,766	
2	1,183	
2½	365	
3	271	
3½	315	
4	93	
4½	50	
5	407	
5½	5	
6	21	
6½	3	
7	1	
Up	....	
Electric	....	
Fire Truck	104	
		24,164

Motive Power

Gasoline	24,149	
Electric	12	
Steam	3	
		24,164

Registrations

Originals	5,349	
Renewals	18,815	24,164

Models		
Buses	316	
Delivery	4,655	
Trucks	18,688	
Ambulances	89	
Hearse	311	
Casket wagons	25	
Patrols	12	
Fire Trucks	84	
Street Cleaners	6	
		24,164

MOTORCYCLES REGISTERED, 1922

Counties		Cities		Total
Algoma	10	Sault Ste. Marie	45	55
Brant	30	Brantford	48	78
Bruce	11		....	11
Carleton	48	Ottawa	190	238
Dufferin	8		....	8
Dundas	4		....	4
Durham	27		....	27
Elgin	16	St. Thomas	21	37
Essex	58	Windsor	50	108
Frontenac	11	Kingston	38	49
Glengarry	4		....	4
Grenville	8		....	8
Grey	28	Owen Sound	15	43
Haldimand	11		....	11
Haliburton	1		....	1
Halton	39		....	39
Hastings	10	Belleville	14	24
Huron	25		....	25
Kenora	3		....	3
Kent	16	Chatham	20	36
Lambton	18	Sarnia	21	39
Lanark	14		....	14
Leeds	22		....	22
Lennox and Addington	9		....	9
Lincoln	36	St. Catharines	27	63
Manitoulin	3		....	3
Middlesex	28	London	114	142
Muskoka	2		....	2
Nipissing	13		....	13
Norfolk	26		....	26
Northumberland	18		....	18
Ontario	59		....	59
Oxford	43	Woodstock	25	68
Parry Sound	5		....	5
Peel	34		....	34
Perth	34	Stratford	51	85
Peterboro	7	Peterboro	23	30
Prescott	11		....	11
Prince Edward	21		....	21
Rainy River	9		....	9
Renfrew	20		....	20
Russell	4		....	4
Simcoe	52		....	52
Stormont	19		....	19
Sudbury	19		....	19
Thunder Bay	4	Fort William	22	
		Port Arthur	27	53
Temiskaming	17		....	17
Victoria	19		....	19
Waterloo	63	Galt	42	
		Kitchener	46	151
Welland	53	Niagara Falls	53	
		Welland	37	143
Wellington	29	Guelph	29	58
Wentworth	57	Hamilton	212	269
York	327	Toronto	2,166	2,493
Foreign	....		....	....
	1,463		3,336	4,799

PROFESSIONAL DRIVERS LICENSED, 1922

Counties		Cities		Total
Algoma	91	Sault Ste. Marie	183	274
Brant	103	Brantford	297	400
Bruce	275		....	275
Carleton	149	Ottawa	1,219	1,368
Dufferin	77		....	77
Dundas	62		....	62
Durham	105		....	105
Elgin	112	St. Thomas	193	305
Essex	446	Windsor	727	1,173
Frontenac	49	Kingston	180	229
Glengarry	59		....	59
Grenville	95		....	95
Grey	163	Owen Sound	196	359
Haldimand	200		....	200
Haliburton	31		....	31
Halton	196		....	196
Hastings	228	Belleville	230	458
Huron	339		....	339
Kenora	47		....	47
Kent	204	Chatham	222	426
Lambton	163	Sarnia	132	295
Lanark	147		....	147
Leeds	212		....	212
Lennox and Addington	105		....	105
Lincoln	139	St. Catharines	299	438
Manitoulin	73		....	73
Middlesex	180	London	1,144	1,324
Muskoka	119		....	119
Nipissing	150		....	150
Norfolk	102		....	102
Northumberland	224		....	224
Ontario	302		....	302
Oxford	204	Woodstock	147	351
Parry Sound	83		....	83
Peel	67		....	67
Perth	101	Stratford	108	209
Peterboro	65	Peterboro	189	254
Prescott	104		....	104
Prince Edward	118		....	118
Rainy River	60		....	60
Renfrew	140		....	140
Russell	25		....	25
Simcoe	385		....	385
Stormont	113		....	113
Sudbury	177		....	177
Thunder Bay	10	Fort William	94	
		Port Arthur	71	175
Temiskaming	203		....	203
Victoria	158		....	158
Waterloo	157	Galt	133	
		Kitchener	192	482
Welland	380	Niagara Falls	260	
		Welland	217	857
Wellington	150	Guelph	173	323
Wentworth	175	Hamilton	1,645	1,820
York	608	Toronto	8,550	9,158
Foreign	70		....	70
	8,500		16,801	25,301

TRAILERS REGISTERED, 1922

Counties		Cities		Total
Algoma	1	Sault Ste. Marie	....	1
Brant	7	Brantford	6	13
Bruce	2		....	2
Carleton	....	Ottawa	2	2
Dufferin	1		....	1
Dundas	2		....	2
Durham	....		....	....
Elgin	4	St. Thomas	3	7
Essex	24	Windsor	37	61
Frontenac	....	Kingston	1	1
Glengarry	....		....	....
Grenville	....		....	....
Grey	5	Owen Sound	3	8
Haldimand	8		....	8
Haliburton	....		....	....
Halton	8		....	8
Hastings	....	Belleville	1	1
Huron	35		....	35
Kenora	....		....	....
Kent	18	Chatham	9	27
Lambton	15	Sarnia	....	15
Lanark	4		....	4
Leeds	....		....	....
Lennox and Addington	3		....	3
Lincoln	3	St. Catharines	5	8
Manitoulin	....		....	....
Middlesex	10	London	6	16
Muskoka	....		....	....
Nipissing	1		....	1
Norfolk	4		....	4
Northumberland	3		....	3
Ontario	2		....	2
Oxford	10	Woodstock	3	13
Parry Sound	1		....	1
Peel	2		....	2
Perth	1	Stratford	1	2
Peterboro	....	Peterboro	3	3
Prescott	....		....	....
Prince Edward	....		....	....
Rainy River	....		....	....
Renfrew	1		....	1
Russell	....		....	....
Simcoe	1		....	1
Stormont	....		....	....
Sudbury	....		....	....
Thunder Bay	....	Fort William	....	....
		Port Arthur	....	....
Temiskaming	....		....	....
Victoria	....		....	....
Waterloo	7	Galt	2	
		Kitchener	2	11
Welland	4	Niagara Falls	....	
		Welland	2	6
Wellington	4	Guelph	1	5
Wentworth	11	Hamilton	23	34
York	8	Toronto	140	148
Foreign	3		..	3
	213		250	463

TRAILERS REGISTERED, 1922

Carrying Capacity

½	198
1	116
1½	15
2	16
2½	56
3	20
3½	11
4	8
4½	8
5	4
5½	2
6	2
6½	2
7	1
Up	3
	463

Ottawa-Point Fortune Provincial Highway

Old stone marking the boundary between Upper and Lower Canada at terminus of the Ottawa-Point Fortune Road at the Quebec Boundary.

PASSENGER CAR DEALERS' PERMITS, 1922

Counties		Cities		Total
Algoma	3	Sault Ste. Marie	10	13
Brant	6	Brantford	18	24
Bruce	25		....	25
Carleton	5	Ottawa	53	58
Dufferin	14		....	14
Dundas	6		....	6
Durham	5		....	5
Elgin	12	St. Thomas	18	30
Essex	22	Windsor	25	47
Frontenac	2	Kingston	19	21
Glengarry	11		....	11
Grenville	7		....	7
Grey	20	Owen Sound	7	27
Haldimand	21		....	21
Haliburton	....		....	
Halton	15		....	15
Hastings	25	Belleville	24	49
Huron	30		....	30
Kenora	3		....	3
Kent	41	Chatham	21	62
Lambton	23	Sarnia	7	30
Lanark	15		....	15
Leeds	23		....	23
Lennox and Addington	16		....	16
Lincoln	6	St. Catharines	21	27
Manitoulin	4		....	4
Middlesex	31	London	38	69
Muskoka	11		....	11
Nipissing	12		....	12
Norfolk	19		....	19
Northumberland	20		....	20
Ontario	46		....	46
Oxford	18	Woodstock	8	26
Parry Sound	10		....	10
Peel	12		....	12
Perth	19	Stratford	20	39
Peterboro	2	Peterboro	21	23
Prescott	8		....	8
Prince Edward	10		....	10
Rainy River	6		....	6
Renfrew	18		....	18
Russell	6		....	6
Simcoe	36		....	36
Stormont	12		....	12
Sudbury	14		....	14
Thunder Bay	....	Fort William	9	
		Port Arthur	3	12
Temiskaming	12		....	12
Victoria	17		....	17
Waterloo	19	Galt	11	
		Kitchener	21	51
Welland	7	Niagara Falls	11	
		Welland	12	30
Wellington	15	Guelph	11	26
Wentworth	13	Hamilton	74	87
York	51	Toronto	239	290
Foreign	21		....	21
	825		701	1,526

COMMERCIAL CAR DEALERS' PERMITS, 1922

Counties		Cities		Total
Algoma	....	Sault Ste. Marie	1	1
Brant	....	Brantford	3	3
Bruce	....		....	....
Carleton	....	Ottawa	3	3
Dufferin	....		....	....
Dundas	....		....	....
Durham	....		....	....
Elgin	....	St. Thomas	....	....
Essex	2	Windsor	5	7
Frontenac	....	Kingston	2	2
Glengarry	....		....	....
Grenville	....		....	....
Grey	1	Owen Sound	....	1
Haldimand	....		....	....
Haliburton	....		....	....
Halton	1		....	1
Hastings	....	Belleville	....	....
Huron	....		....	....
Kenora	....		....	....
Kent	1	Chatham	2	3
Lambton	....	Sarnia	1	1
Lanark	....		....	....
Leeds	1		....	1
Lennox and Addington	....		....	....
Lincoln	..	St. Catharines	4	4
Manitoulin	....		....	....
Middlesex	....	London	10	10
Muskoka	....		....	....
Nipissing	....		....	....
Norfolk	....		....	....
Northumberland	....		....	....
Ontario	9		....	9
Oxford	1		....	1
Parry Sound	....		....	....
Peel	2		....	2
Perth	....	Stratford	1	1
Peterboro	....	Peterboro	....	....
Prescott	....		....	....
Prince Edward	....		....	....
Rainy River	....		....	....
Renfrew	....		....	....
Russell	....		....	....
Simcoe	....		....	....
Stormont	1		....	1
Sudbury	....		....	....
Thunder Bay	....	Fort William	....	....
		Port Arthur	....	....
Temiskaming	....		....	....
Victoria	....		....	....
Waterloo	....	Galt	....	....
		Kitchener	2	2
Welland	....	Niagara Falls	....	
		Welland	....	....
Wellington	....	Guelph	....	....
Wentworth	2	Hamilton	16	18
York	1	Toronto	23	24
Foreign	....		....	....
	22		73	95

MOTORCYCLE DEALERS' PERMITS, 1922

Counties		Cities		Total
Algoma	....	Sault Ste. Marie	....	....
Brant	....	Brantford	....	....
Bruce	....		....	....
Carleton	....	Ottawa	....	....
Dufferin	....		....	....
Dundas	....		....	....
Durham	....		....	....
Elgin	....	St. Thomas	....	....
Essex	....	Windsor	....	....
Frontenac	....	Kingston	....	....
Glengarry	....		....	....
Grenville	....		....	....
Grey	....	Owen Sound	....	....
Haldimand	....		....	....
Haliburton	....		....	....
Halton	....		....	....
Hastings	....	Belleville	....	....
Huron	....		....	....
Kenora	....		....	....
Kent	....	Chatham	....	....
Lambton	....	Sarnia	....	....
Lanark	....		....	....
Leeds	....		....	....
Lennox and Addington	....		....	....
Lincoln	....	St. Catharines	....	....
Manitoulin	....		....	....
Middlesex	....		....	....
Muskoka	....		....	....
Nipissing	....		....	....
Norfolk	....		....	....
Northumberland	....		....	....
Ontario	....		....	....
Oxford	....	Woodstock	....	....
Parry Sound	....		....	....
Peel	....		....	....
Perth	....	Stratford	1	1
Peterboro	....	Peterboro	....	....
Prescott	....		....	....
Prince Edward	....		....	....
Rainy River	....		....	....
Renfrew	....		....	....
Russell	....		....	....
Simcoe	....		....	....
Stormont	....		....	....
Sudbury	....		....	....
Thunder Bay	....	Fort William	....	....
		Port Arthur	....	....
Temiskaming	....		....	....
Victoria	....		....	....
Waterloo	....	Galt	....	....
		Kitchener	....	....
Welland	....	Niagara Falls	2	2
		Welland	....	....
Wellington	....	Guelph	....	....
Wentworth	....	Hamilton	1	1
York	....	Toronto	12	12
			16	16

THE CHECKING OF CONCRETE ROAD SURFACES

By G. A. MACDONALD, Assistant Testing Engineer.

During the past, in laying concrete road surfaces in certain localities, the concrete has persistently checked, although every precaution has been taken to prevent it.

It was more or less prevalent during the summer of 1922 on certain contracts where the sub-grade was clay. A pavement was laid early in the autumn and it was selected for close observation. The concrete was laid on a brown clay sub-grade with stretches here and there that were inclined to be sandy. The contractor did not get started until well on in September, due to rain and bad weather.

About two weeks later, in an endeavour to expedite the work, owing to the lateness of the season, the contractor put on an evening shift, running from 7.00 p.m. until 10.30 p.m. An examination of the previous day's work, one morning, revealed a check about two feet in length in the section laid by the evening shift. This eliminated the sun as a factor in this particular check. Points where dry batches and sandy batches were placed were marked and observed for checking, with no results. The sand was suspected and material from another source tried, with no betterment. An occasional check only was showing up, many slabs having none. The contraction of the concrete was making itself manifest in another way—it was pulling away from the expansion joint material for an eighth of an inch or more.

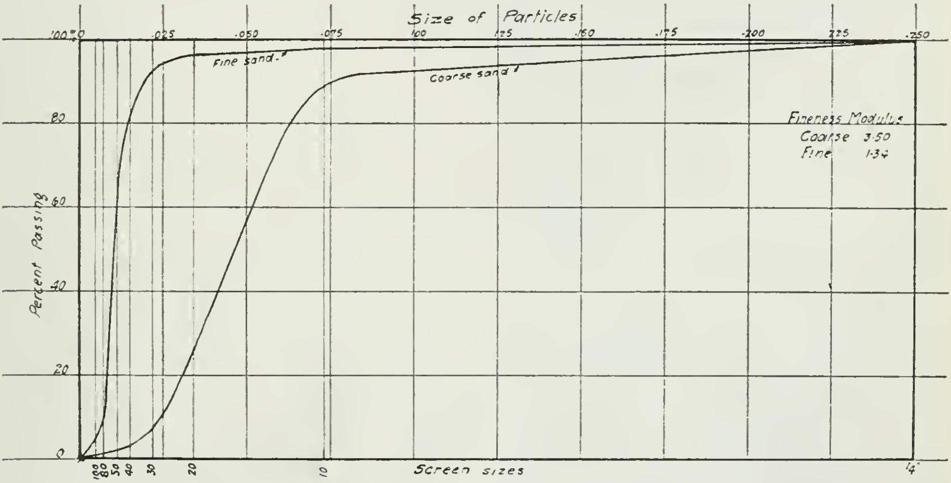


FIG. 1.—Mechanical analysis of fine and coarse sands used in experiments.

No change was noted in the character of the sub-grade except that it was drying out and becoming dusty from the traffic of the light batch trucks which supplied the mixer. After every move the sub-grade was well watered before laying concrete and the finished work was covered with tarpaulins.

The checking grew worse, until finally the contractor was asked to remove the loose-lying material upon the grade. This seemed to help somewhat. Two days of heavy rain stopped the work for a time and when operations were resumed it was observed no further checks occurred. The concrete was also holding tight against the joints. In this connection it was noted that the contract was first started after a heavy rain and this apparently accounted for the non-appearance of checks early in the work.

The contractor was asked to keep the grade well wet down ahead of the work, and as a result only a very few checks occurred. With this information at hand and with the object of obtaining more complete data on the matter, an investigation of the problem was undertaken in the laboratory during the winter.

Small slabs were made, 18 inches square and 3 inches deep, of 1: 1½: 3 concrete, poured on clay bases. Base No. 1 was a saturated clay containing 26 per cent. moisture; base No. 2 was the natural clay as brought into the laboratory, with 14 per cent. moisture; and base No. 3 was clay that had been thoroughly dried, containing practically no moisture. The concrete slab on the dry base dried off quickly and was so firm in one hour and thirty minutes that it could no longer be trowelled. The slab on the base with 14 per cent. moisture took its set in two hours. The slab on the saturated base dried off very slowly and set in five hours. No checking occurred in any of these slabs, but on the dry base and the base containing 14 per cent. moisture considerable contraction had taken place, as noted by the pulling away of the slab from the side-forms.

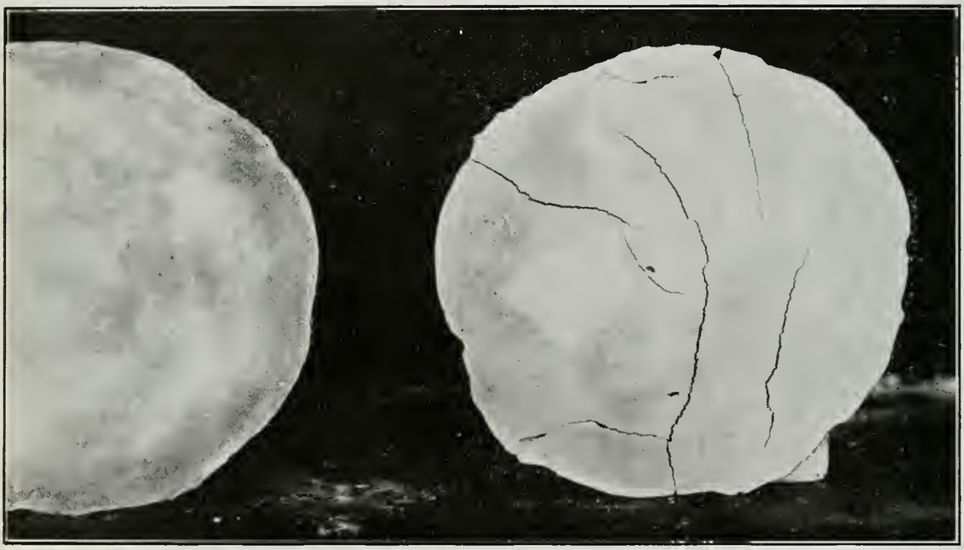


FIG. 2.—Neat concrete slabs on glass base.

Dried in moist closet. Dried in open air.

Mention will be made of slabs taking a set within a certain time. This may be defined as the time when the water has entirely disappeared from the surface and the mix has become sufficiently stiff so that further floating or trowelling brings no water to the surface, but leaves a smooth finish.

The ratio of depth to length of the above slabs was 1 : 6 and it was concluded that the cohesion of the concrete was sufficiently great to pull away from the side-forms before opening in the form of checks.

A second series of slabs were then made, ¾ inch in depth, the size, 18 inches by 18 inches, remaining the same, making a new ratio of 1:24. With this depth it was impossible to use the stone as before and a 1: 3 mortar was substituted. Four slabs were made in this series: Slab No. 1 poured on the saturated base with 26 per cent. moisture; slab No. 2 poured on a dry pulverized base; slab No. 3 on a combination base, a dry centre 8 inches square and the remainder of the area wet; slab No. 4 on a dry base as No. 2, but with a wetter mix.

Slab No. 1 on the saturated base acted much the same as in the previous series. It still took five hours to set. Changing the thickness did not seem to alter this feature. Slab No. 2 on the dry base took only 20 minutes to set, so that it could no longer be trowelled. Slab No. 3, on the combination base, took 30 minutes, the portion over the dry base setting up first, but it rapidly drew the moisture from the remaining part. Slab No. 4, wet mix on the dry base, took 20 minutes. The only difference the wet mix made was to produce an inferior mortar of low strength. In removing it from the form it broke up easily. The slabs poured on the dry bases still showed considerable contraction by moving away from the forms, and they set so quickly that it was impossible to finish them properly. Not only did the water disappear but the cement as well was drawn down from the surface, leaving a rough finish. This feature serves to illustrate the quick setting many times observed on road construction, but most frequently blamed on the dry mix. Examination of the under side of the slab indicated that the different batches were failing to bond together properly at the bottom, due to their rapid setting on coming in contact with the dry clay.

Because the thin ¾-inch slabs on the dry clay were so difficult to finish, it was thought best to find the minimum depth that would finish properly and to increase the size of the slab to get the larger ratio. 1: 1½: 3 concrete was used in slabs 9 inches by 18 inches, of varying depths. Their setting times were as follows:

9″ x 18″ x 2″	set in 40 minutes.
9″ x 18″ x 2½″	set in 1 hour.
9″ x 18″ x 3″	set in 1 hour and 20 minutes.
9″ x 18″ x 3½″	set in 1 hour and 30 minutes.

The minimum depth that proved satisfactory for finishing was 3 inches.

The size of the slab was increased to 3 feet square with a depth of 3 inches. A 1: 1½: 3 concrete was used with a very coarse sand. One small check about 1½ inches in length occurred in this slab. A fine sand was used in the next slab in place of the coarse, but it failed to show any checks. Fig. 1 shows the mechanical analysis of the fine and coarse sand used in the above experiments and in the remainder of the tests.

At this point, due to the unsatisfactory results obtained so far, it was thought advisable to investigate the contraction of neat cement, having in mind the contraction cracks sometimes observed in the constancy of volume tests for cement.

Pats of neat cement were made about 6 inches in diameter, ½ inch thick in the centre and thinning out to a feather edge. These were placed on the following bases: glass, blotting paper, brick, porous concrete and plaster of paris. On glass no checking was noticed until after it was 24 hours old. On blotting paper it dried out quickly, merely curling the edges up and failing to check. On brick it dried out very quickly and formed several large checks. On porous concrete it set up somewhat slower than on brick and checked badly. On plaster of paris it dried off quickly and formed but one short check.

These experiments showed that with the rapid loss of moisture considerable contraction occurred. This contraction took place irrespective of the type of base, providing it had absorptive qualities. The checking was most severe on bases that had a high co-efficient of roughness, such as brick and porous concrete. On the plaster-of-paris base, which was quite smooth, the neat cement moved easily from the edges toward the centre during the period of contraction. This was not the case with the brick and cement bases. The neat cement remained where it was placed and contraction manifested itself by the opening up of large and irregular cracks.

The above experiments also tended to show that two distinct forms of contraction took place. On the glass plate it did not take place until after the final set and the mass had become rigid. On the other hand the absorptive bases showed the contraction and checking taking place while the mass was in a plastic state. The first was undoubtedly due to evaporation and the second to absorption.

A series of neat cement pats were made up on the following bases: glass, brick, and porous concrete, and were all placed in the moist closet. The pats on brick and porous concrete checked to the same extent as in the open air. The pat on the glass plate remained at constant volume and showed no checks.

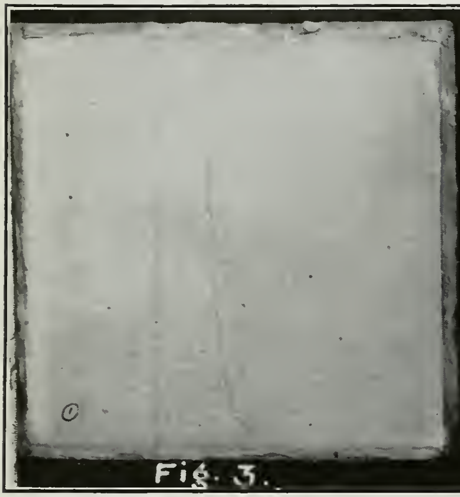


Fig. 3.—Neat concrete slab on glass base. Dried in open air, showing the shrinkage from side forms, but no checking.

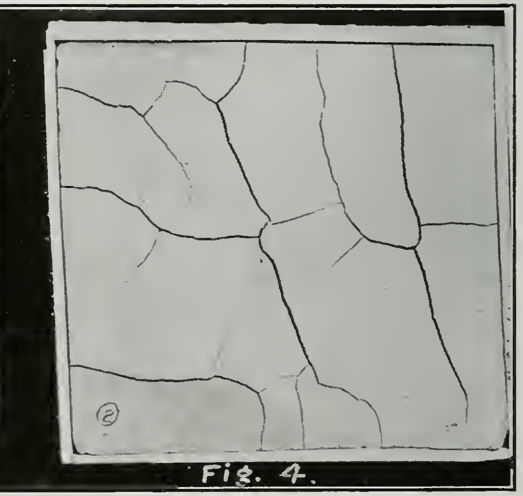


Fig. 4.—Neat concrete slab on dry porous base, air dried, showing bad checking.

In Fig. 2 are shown the pats of neat cement made on glass; on the left cured in the moist closet and on the right air-dried, showing checks formed by evaporation.

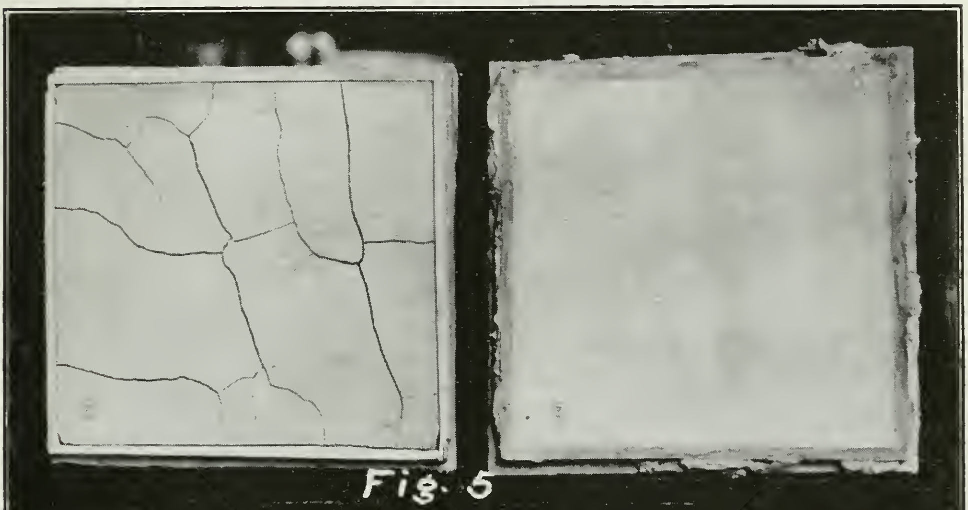
The porous concrete base had proven to be the most satisfactory absorptive medium so far used where checking of the slab showed up as visible evidence of contraction. To standardize the results of further experiments, small forms were made 6 inches square and ½ inch deep, giving a ratio of depth to length of 1: 12.

Three slabs were made up in these forms on porous concrete bases. Slab No. 1 was made of neat cement; slab No. 2 a 1:1 mortar using a coarse sand, and slab No. 3 a 1: 1 mortar using fine sand. The neat cement slab checked badly; the coarse sand mortar showed one short check, and the fine sand mortar showed no checks.

New forms were made 8¼ inches square by ⅜ inch deep, giving a ratio of length to depth of 1:22. The above experiment was repeated with neat cement, 1: 1 mortar of coarse sand and 1: 1 mortar of fine sand. The neat cement checked very badly, much greater than in any previous test. The coarse sand checked in several places, showing fine, wavy, hair-line cracks. The fine sand checked in one place only.

Two conclusions may be drawn from the above experiments. First, with the greater ratio of length to depth there is a corresponding greater tendency to check. Second, the richer the mix in cement, the greater the tendency to check. The 1: 1 fine sand mix is leaner than the 1: 1 coarse mix because of the higher water ratio to volume of cement for the same consistency.

A further series was then undertaken, using the 8¼ inch forms. Slab No. 1, neat cement on a glass plate; slab No. 2, 1: 1 coarse sand mortar on glass



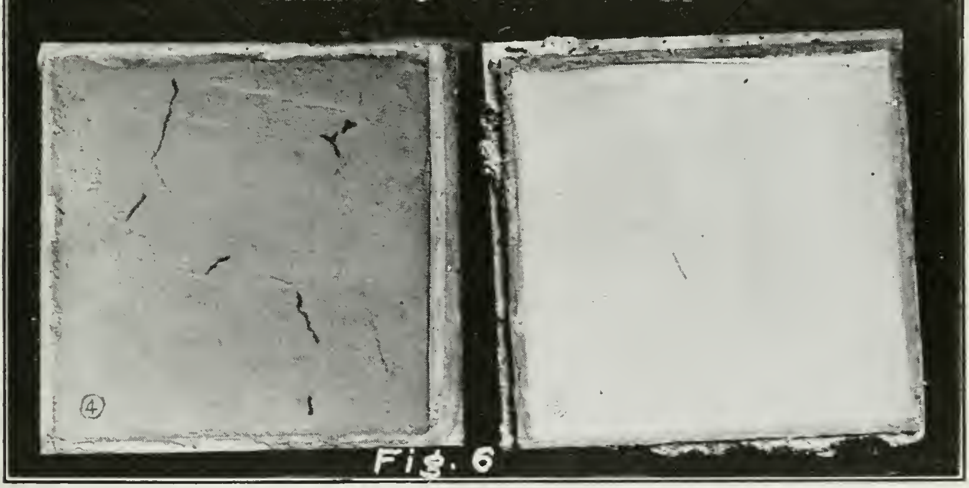


Fig. 5.—Neat cement slabs dried in air.

On dry porous base. On saturated porous base.

Fig. 6.—Sand-mortar slabs air dried.

On dry porous base. On saturated porous base.

plate; slab No. 3, neat cement; slab No. 4, 1: 1 coarse sand; slab No. 5, 1: 2 coarse sand, the last three on porous concrete bases. The neat cement nor the 1: 1 mortar on the glass did not check. The neat cement on the porous base checked badly; the 1: 1 mix developed several checks, but the 1: 2 showed none. It may be stated that at no time later did this neat cement slab on glass check as did the neat cement in the form of a pat in a previous experiment. The latter form with a thick centre and thin edges showed several checks. The shape of the specimen apparently has considerable effect on this action.

Humidity was next investigated. Six slabs were made up of neat cement. Two were made on glass plates, two on moderately absorptive bases, water being dashed on the porous concrete, and two on dry porous bases. One of each pair was placed in the moist closet immediately after pouring and the other was left to air-dry. The neat cement pulled away slightly from the forms on the glass plate in the open air but showed no movement whatever in the moist closet. On the moderately absorptive base, one check developed in the moist closet and three showed up in the open air. On the porous bases both slabs were badly checked. High humidity may have some effect in retarding checking on moderately absorptive bases, although the result was not very conclusive. On highly absorptive bases it apparently had no effect.

Experiments were next carried out to find the effect of using saturated bases. The same bases were used as for the previous tests, those requiring to be saturated were placed in water over night. Nine slabs in all were made in this series, introducing the three variables of base, humidity and mix. Five were allowed to remain in the open air. Slab No. 1, neat cement on glass plate; slab No. 2, neat cement on dry porous concrete; slab No. 3, neat cement on saturated concrete; slab No. 4, 1: 1 coarse sand on dry porous base; slab No. 5, 1: 1 coarse sand on saturated base.

The remaining forms were placed in the moist closet, viz.: slab No. 6, neat cement on dry base; slab No. 7, neat cement on saturated base; slab No. 8, 1: 1 coarse sand on dry base; and slab No. 9, 1: 1 coarse sand on saturated base. These slabs were all 8¼ inches square and ⅜ inch in depth.

Examining the slabs air-dried:—

Slab No. 1, neat cement on glass plate (Fig. 3), had no checks but slight contraction is noted from the right hand form.

Slab No. 2, neat cement on dry porous base (Fig. 4), checked very badly.

Slab No. 3, neat cement on saturated base, showed no checks and very little contraction from the sides. Fig. 5 illustrates the above two slabs, the only variable is the base, on the left dry and porous, and on the right saturated.

Slab No. 4, 1: 1 coarse sand on dry base, checked slightly in six places. (Fig. 6, left.)

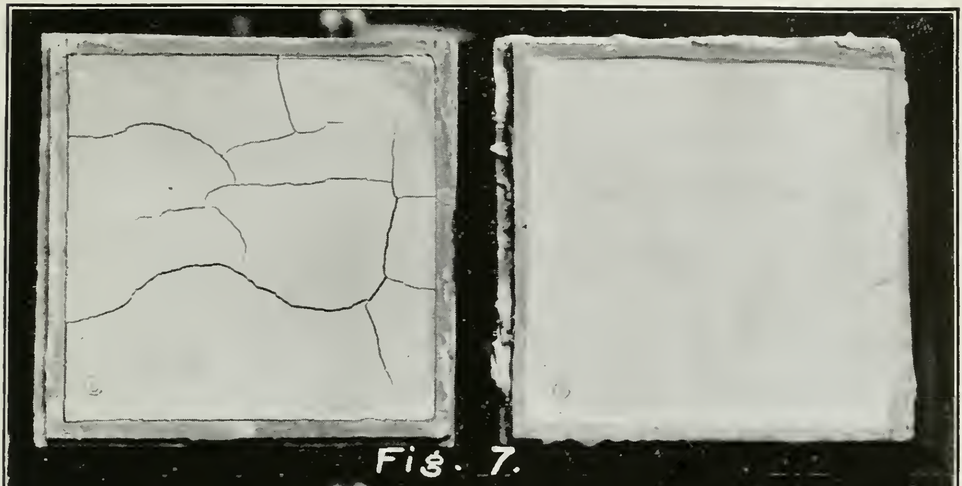
Slab No. 5, 1: 1 coarse sand on saturated base, showed no checks. (Fig. 6, right.)

The slabs cured in the moist closet gave the following results:—

Slab No. 6, neat cement on dry, porous base, checked at many points with broad cracks and also pulled away considerably from the side-forms. (Fig. 7 left.)

Slab No. 7, neat cement on saturated base, showed no checks and had the typical dull appearance of moist cured concrete. (Fig. 7, right.)

Slab No. 8, 1: 1 coarse sand on dry porous base, checked at twenty different points in fine hair-line cracks. (Fig. 8, left).



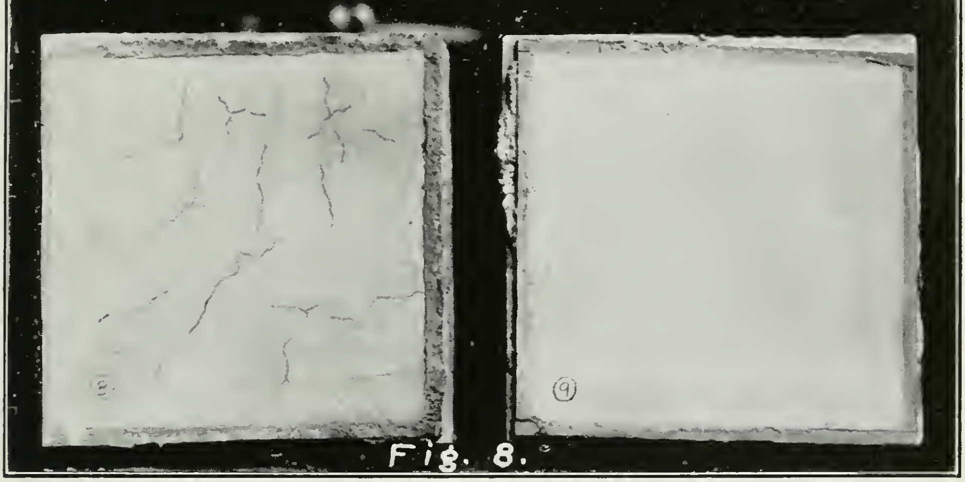


Fig. 7.—Neat concrete slabs cured in moist closet.
On dry porous base. On saturated porous base.

Fig. 8.—1:1 Sand-mortar slabs cured in moist closet.
On dry porous base. On saturated porous base.

Slab No. 9, 1: 1 coarse sand on saturated base, showed no evidence of contraction. (Fig. 8, right).

Slabs No. 7 and No. 9 may be said to have been cured under ideal conditions—no absorption or evaporation except while finishing could take place, and during their whole period of setting and acquiring strength they remained at constant volume and were under no contraction stress.

A study was undertaken to find the percentage of water lost by absorption and that lost by evaporation. Two slabs were made up of neat cement, 4½ inches square and ⅜ inch deep. These were placed on plaster-of-paris bases, one of which had been previously placed in water over night, and the other dried in the open air.

The slab on the dry absorptive base dried off quickly and set up so that it could easily be removed from the forms at the end of an hour. The increase in the weight of the plaster-of-paris base and of the side forms was carefully noted and also the loss in weight of the cement slab at different intervals with the following results:—

Time	Percentage of original water content lost. By absorption in base and forms	By evaporation	Total
0 hour	0%	0%	0%
1 hour	47	4	51
7 hours	..	17	64
24 hours	..	31	78
2 days	..	34	81
1 week	..	35	82
2 weeks	..	37	84
3 weeks	..	35	82

The slab on the saturated base was placed in the moist closet after it had set sufficiently to finish. While finishing 10 per cent. was lost by evaporation. After one week in the moist closet it was removed from the forms and allowed to dry out in the open air, with the following results:—

Time	Percentage of original water content lost. By absorption	By evaporation	Total
0 hour	0%	0%	0%
5 hours	..	10	10
24 hours	..	12	12
2 days	..	14	14
1 week	..	16	16
2 weeks	..	28	28
3 weeks	..	30	30

The outstanding facts from these tests was the loss of 47 per cent. by absorption within an hour by the dry base, and 31 per cent. by evaporation within the first twenty-four hours of the air-dried specimen, leaving but 22 per cent. of the original water content for the process of hardening.

With the saturated base and the moist closet curing the water content was so conserved at the end of three weeks that 70 per cent. of the original amount had been used or was available for use in the chemical action of setting. This contrasts with 18 per cent. available at the same age in the previous test.

The results of the above tests are shown graphically in Fig. 9.

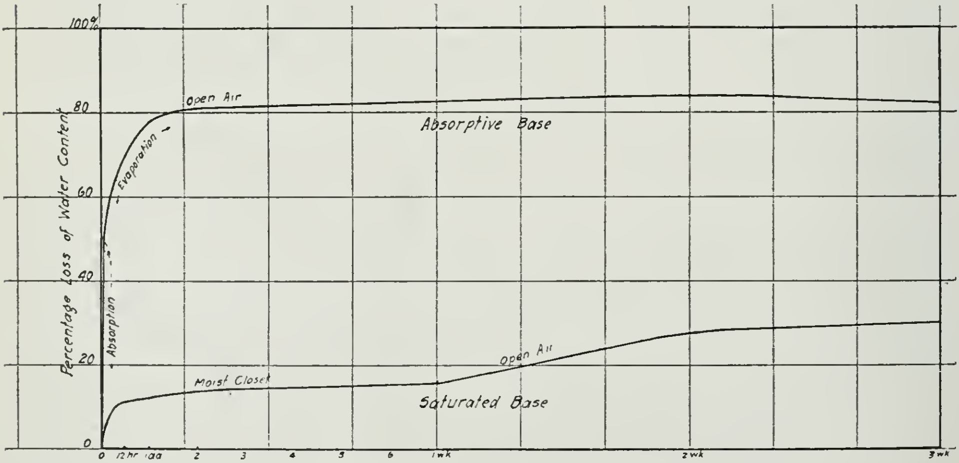


Fig. 9.—Graphic representation of the effect of a dry porous base, as compared with a saturated base, on a moisture content in neat cement mortars.

Attention was focused on the clay used in the previous experiments as an absorptive base. It was desired to obtain the rate of absorption and the amount: 250 c.c. of dry pulverized clay were placed in a 500 c.c. graduate and carefully covered with water to the 500 c.c. mark. Readings were taken every ten minutes of the water level in the container and the depth to which the moisture line had descended. The results are indicated by the curves in Fig. 10. Note the almost constant rate of absorption as shown by the number of inches of water required. After the moisture line had reached the bottom of the container, additional water was still required for saturation.

This condition is probably a parallel with the wetting down of a dusty sub-grade before pouring concrete. The thickness of an inch or less wet down merely acts as a vehicle for the further absorption of moisture from the concrete placed above it.

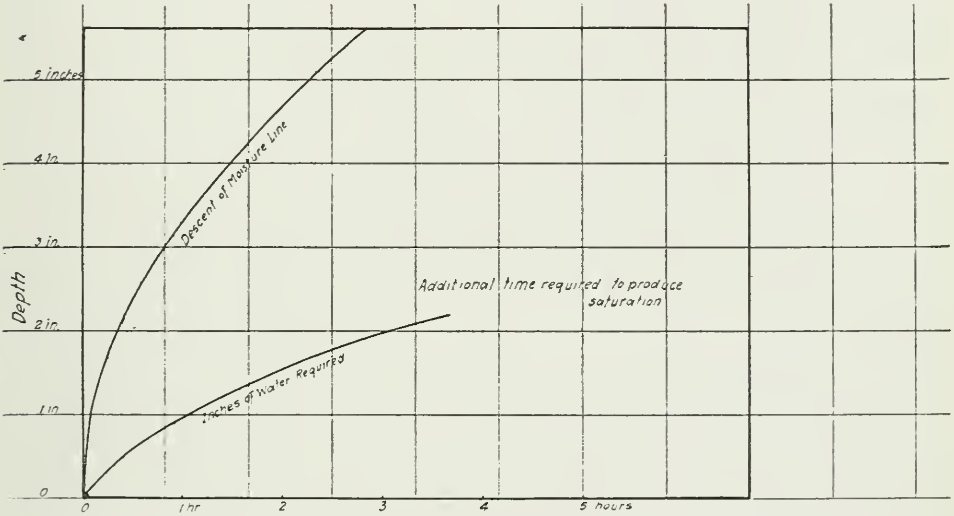


FIG. 10.—Graphic representation of the absorption of water by dry pulverized clay used as basis for specimens in experiments.

In further tests of slabs on dry clay, those made from neat cement checked. On tests of mortar slabs the high absorption was still evident, with its resulting contraction, but the base had very little restraining effect upon the movement of the slab. The slab was thus permitted to contract without the formation of checks. On large road surfaces where the slab cannot move as a whole while in a plastic state, this contraction takes place in the formation of checks where the slab has failed at its weakest point.

A test was made to find out if a saturated base would supply moisture to a slab, replacing that lost by evaporation. Two slabs were made up, one on a glass plate and one on a saturated plaster-of-paris base. There was no difference in the time of setting. After twenty-four hours the slab on the glass plate had contracted slightly from the forms but the slab on the saturated base had shown no movement, which would indicate that the wet base tends to restore the balance of water lost by evaporation.

To summarize the results:—

(1) Checking is the result of contraction caused by the loss of moisture from any cause when the concrete (cement or mortar) does not possess the required strength to overcome the outside restraining forces.

(2) An absorptive base hastens the time of setting of concrete and cement mortars—the greater the absorption the shorter the time of set.

(3) An absorptive base tends to draw the cement and fine material away from the surface, leaving the larger aggregate above the general contour of finish.

(4) An absorptive base does not permit the batches to bond together properly, due to their stiffening on coming in contact with an absorptive medium.

(5) The tendency for slabs to check increases with the increase in the ratio of length or width to depth. A 20-ft. pavement would check to a greater extent than an 18-ft. pavement if the thickness remained the same.

(6) The richer the mix is in cement the greater the contraction, with an increased tendency to check.

(7) Extra wet mixes may help to prevent checking on moderately absorptive bases, but the resulting concrete is of low strength.

(8) With no loss of moisture the concrete tends to remain at constant volume.

(9) A saturated base prevents all losses by absorption and may even supply moisture to the slab to replace losses by evaporation.

In making the results of practical application in road work, it is suggested that the procedure be somewhat as follows:—

On completion of a day's work the grade should be watered in preparation for the next day's work. Enough water should be placed on it and at such intervals so that it will not lie in pools or make the grade mucky. When the laying of concrete is commenced the area in front of the mixer should be well watered. This should bring about a condition close to saturation that would materially cut the losses by absorption. If the concrete materials are placed on the grade in front of the mixer it will be more difficult to follow the above procedure.

For the prevention of evaporation losses, dry covers such as tarpaulins laid directly on the concrete tend to aggravate the condition by absorbing additional moisture. Covers on frames may prevent the sun from increasing the temperature, but they will not stop evaporation. It is suggested that burlap strips be used, as has been done in some cases. They are 3 feet in width, of double-weight material and overlap each other. They are not as costly as tarpaulins and the actual cost of handling them is much less than moving heavy frames. They should be kept soaked with water and placed in that condition on the concrete when it has obtained a set, so that they will not mar it. These should be kept in a moist condition and not removed until just prior to covering the pavement with earth. If this procedure is followed a more uniform curing condition will result and at a time when the concrete is in greatest need of it.

APPENDICES

Nos. 1 to 6

APPENDIX

SUMMARY,

Statement of Work and Expenditure

County	Work Done During Year								
	Miles Graded	Miles Stoned	Miles Gravelled	Tile Drain Rods	Bridges	Pipe and Tile Culverts	Other Culverts	Roads and Culverts	Bridges
								$ c.	$ c.
Brant	6.05	Concrete 0.54	0.27	269	2	13	....	42,779 70	2,390 70
Bruce	39.25	....	21.33	19	....	48	10	36,392 64	3,236 76
Carleton	28.12	7.75 Bit. Mac. 6.37 Asp. Con. 1.83	15.50	258	5	108	26	328,037 87	21,112 91
Dufferin	7.80	0.40	7.10	......	5	70	9	39,170 86	4,128 80
Elgin	2.83	0.82	2.01	1,086	1	28	4	† *773 75* 17,157 78	24,760 33
Essex	8.08	Concrete 0.02	....	6	....	8	5	8,703 94	....
Frontenac	16.25	15.25	1.00	......	....	34	2	37,761 82	....
Grey	4.50	....	4.25	......	2	.....	30	33,397 44	9,360 76
Haldimand	41.75	10.25	4.25	......	1	212	....	95,306 64	10,418 40
Halton	18.07	18.00 Concrete 1.57	....	......	....	10	5	84,006 04	....
Hastings	8.25	0.50	7.25	......	3	54	....	17,547 68	4,122 68
Huron	23.08	....	19.75	......	6	2	10	46,872 09	6,780 82
Kent	3.57	Concrete 3.38	....	3,693	3	10	8	97,760 88	8,240 77
Lambton	10.75	5.00	6.58	2,329	4	15	6	50,439 39	11,185 20
Lanark	16.00	12.00	3.00	......	1	19	....	48,768 41	850 00
Leeds and Grenville	8.80	13.50	2.40	......	3	19	6	58,531 77	4,054 00
Lennox and Addington	4.00	1.00	....	......	1	32	....	9,178 23	1,165 29
Lincoln	20.22	18.98 Bit. Mac. 5.64 Concrete 0.30	1.80	......	2	295	16	326,246 96	7,145 48
Middlesex	32.12	....	18.37	2,765	9	58	12	65,311 70	21,517 27
Norfolk	8.40	4.50	2.50	36	2	25	3	79,452 49	6,523 91
Northumberland and Durham	2.75	....	7.25	......	....	9	....	5,868 51	....
Ontario	5.62	0.25	1.40	......	3	34	17	26,587 32	4,345 06
Oxford	23.25	3.65	30.50	7,119	2	36	15	77,239 45	1,789 15
Peel	13.50	....	21.25	......	2	57	4	59,646 27	4,785 84
Perth	0.79	0.79	....	845	5	6	1	15,329 76	8,461 47
Peterboro	2.02	....	2.02	......	....	36	7	11,204 09	....
Prescott and Russell	79.24	24.40 Bit. Mac. 2.50	9.81	......	3	109	40	448,483 12	82,287 81
Prince Edward	4.15	7.90	....	......	1	25	....	†*13,600 54* 24,763 82	2,215 86
Renfrew	14.70	3.60	21.35	......	4	190	78	201,419 65	22,650 91
Simcoe	2.50	....	2.50	3	6	25	3	14,779 19	23,092 99
Stormont, Dundas and Glengarry	31.24	26.41	....	98	....	15	....	137,712 85	....
Victoria	1.49	1.42	....	85	1	84	5	† *12 00* 3,985 61	3,200 43
Waterloo	2.07	Concrete 0.59 Bit. Mac. 0.22	1.25	......	....	10	4	29,019 58	....
Welland	29.63	14.62 Bit. Mac. 7.97	1.50	120	....	28	12	267,876 04	....
Wellington	0.36	....	0.36	......	11	.....	13	11,250 02	53,533 25
Wentworth	13.25	8.99	1.50	......	2	122	4	108,121 82	6,696 96
York	33.48	17.07 Bit. Mac. 3.75 Asp. Con. 1.52	5.51	......	2	133	21	439,520 92	7,700 59
Totals	567.93	* 253.25	223.56	18,731	92	1,979	376	3,420,018 64	367,754 40

* Includes:—
W. B. Macadam .... 217.05 miles.
Concrete .... 6.40 "
Bituminous Macadam .... 26.45 "
Asphaltic Concrete .... 3.35 "

† NOTE.—Carried forward from 1921 expenditure.

No. 1

1922

on County Road Construction

Approved Expenditure for Year.

Machinery and Repairs	Special Grants to Towns and Villages	Purchase of Toll Roads and Gravel Pits	Superintendence	Approved Expenditure on Construction	Approved Expenditure on Maintenance	Total Approved Expenditure	Government Grant 40%	Disallowed	Receipts
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
17,586 37	....	....	4,523 87	67,280 64	26,918 67	94,199 31	37,679 72	325 60	965 00
15,761 88	6,292 41	....	4,088 96	65,772 65	24,460 10	90,232 75	36,093 10	1,020 53	441 20
24,859 29	....	....	10,438 77	384,448 84	63,194 22	447,643 06	179,057 22	300 00	7,215 60
3,361 76	1,202 72	....	2,932 83	50,796 97	34,060 10	84,857 07	33,942 83	....	88 10
				773 75		*773 75*	*309 50*	Hold-back year	from last
21,248 76	5,221 07	....	3,384 65	71,772 59	71,993 60	143,766 19	57,506 48	23 50	948 10
19,099 23	54,358 32	....	4,101 46	86,262 95	69,600 79	155,863 74	62,345 50	125 00	15,116 72
2,510 60	....	....	2,086 85	42,359 27	20,631 98	62,991 25	25,196 50	....	....
8,141 81	5,002 00	....	4,768 70	60,670 71	58,767 10	119,437 81	47,775 13	715 50	900 53
7,380 67	12,868 48	....	2,824 10	128,798 29	14,852 79	143,651 08	57,460 43	547 80	616 50
6,778 02	....	....	2,060 60	92,844 66	12,721 04	105,565 70	42,226 28	....	384 77
7,868 24	....	....	4,655 40	34,194 00	46,237 11	80,431 11	32,172 44	....	510 40
4,506 27	9,925 00	1,370 00	4,805 19	74,259 37	52,392 53	126,651 90	50,660 76	....	295 40
21,801 51	2,913 36	....	3,424 03	134,140 55	40,880 25	175,020 80	70,008 32	12,883 30	598 53
11,751 78	9,953 86	....	3,246 57	86,576 80	65,975 78	152,552 58	61,021 03	....	285 23
4,579 70	....	....	2,996 81	57,194 92	34,409 68	91,604 60	36,641 84	....	249.47
2,647 92	20,523 15	....	3,079 56	88,836 40	51,223 55	140,059 95	56,023 98	8,954 76	....
9,339 09	11,147 44	....	2,234 43	33,064 48	26,051 24	59,115 72	23,646 29	35 00	....
11,726 94	....	500.00	6,410 19	352,029 57	45,542 61	397,572 18	159,028 87	2,686 93	100 00
8,901 41	2,376 43	....	4,271 51	102,378 32	95,493 73	197,872 05	79,148 82	1,760 80	284 91
12,546 86	3,200 00	....	4,084 68	105,807 94	127,402 50	233,210 44	93,284 18	....	431 84
4,836 10	11,078 50	....	3,689 33	25,472 44	36,128 18	61,600 62	24,640 25	5,555 38	....
4,700 54	546 15	....	5,401 01	41,580 08	31,630 51	73,210 59	29,284 24	210 60	607 20
8,913 56	2,524 09	....	2,837 28	93,303 53	34,126 98	127,430 51	50,972 20	1,972 27	3,568 98
2,511 96	....	....	2,821 67	69,765 74	34,608 69	104,374 43	41,749 77	10 00	139 75
....	....	....	1,667 00	25,458 23	38,706 39	64,164 62	25,665 85	3,387 52	....
2,651 46	....	....	2,349 35	16,204 90	26,543 75	42,748 65	17,099 46	1,062 46	54 00
9,219 41	....	....	3,354 37	543,344 71	20,574 75	563,919 46	225,567 78	23,671 01	3,877 75
				13,600 54	*295 67*	*13,896 21*	*2,838 38*	Hold-backs last year	(*2*) from
2,815 07	3,000 00	....	2,158 63	34,953 38	13,448 61	48,401 99	19,360 80	8 00	....
6,294 86	....	....	5,530 70	235,896 12	19,637 59	255,533 71	102,213 48	19,470 99	....
1,250 62	17,939 54	....	4,203 50	61,265 84	53,328 18	114,594 02	45,837 61	4,309 41	200 00
1,366 91	26,250 00	....	5,624 17	170,953 93	63,352 55	234,306 48	93,722 59	....	....
138.25				*150 25*		*150 25*	*60 10*	Hold-back year.	from last
13,789 24	1,465 02	....	5,010 53	27,450 83	49,416 17	76,867 00	30,746 80	918 79	....
3,146 49	14,902 96	....	3,455 37	50,524 40	41,362 80	91,887 20	36,754 88	2,171 44	1,065 67
8,612 36	3,825 08	....	4,470 83	284,784 31	59,717 43	344,501 74	137,800 69	....	....
7,531 18	....	....	3,553 14	75,867 59	84,062 28	159,929 87	63,971 95	1,451 76	1,281 13
8,467 30	....	....	3,922 30	127,208 38	57,703 17	184,911 55	73,964 62	7,250 10	....
3,165 99	4,000 00	....	4,044 03	458,431 53	49,287 34	507,718 87	203,087 55	2,746 48	72 75
311,809 41	230,515 58	1,870 00	144,512 37	4,476,480 40	1,696,740 41	6,173,220 81	2,466,568 22	103,574 93	40,299 53

APPENDIX

SUMMARY,

Schedule of Expenditure on Maintenance

For the period beginning January 1st, 1922,

County	Grading	Culverts	Re-surfacing	Dragging	Oiling or Tarring
	$ c.	$ c.	$ c.	$ c.	$ c.
Brant	967 66	189 67	23,080 66	1,898 18	325 22
Bruce	2,155 67	856 93	18,240 20	1,590 47	20 40
Carleton	1,639 39	1,345 45	40,281 43	767 54	15,101 60
Dufferin	6,076 24	293 38	25,718 32	1,366 29	....
Elgin	9,902 81	1,567 71	51,627 75	6,386 88	38 71
Essex	1,456 14	518 92	52,400 05	10,849 49	1,959 36
Frontenac	3,738 58	558 17	15,554 10	22 80	336 00
Grey	3,475 77	3,122 92	46,851 71	2,315 95	....
Haldimand	567 60	271 69	9,268 60	3,674 75	....
Halton	516 60	265 03	10,783 34	944 52	....
Hastings	4,182 73	2,168 25	34,067 47	1,624 40	1,425 79
Huron	6,023 53	4,448 60	32,001 07	3,017 74	2,425 82
Kent	4,467 70	287 50	21,095 08	9,835 97	....
Lambton	4,187 79	731 66	42,821 78	7,375 47	*648 66
Lanark	8,823 34	987 73	21,801 70	1,212 38	....
Leeds and Grenville	2,813 46	2,499 18	43,850 01	599 68	334 59
Lennox and Addington	1,637 30	336 75	22,925 69	....	....
Lincoln	1,297 88	876 13	27,172 38	4,487 08	6,705 56
Middlesex	2,367 82	2,958 14	65,508 83	11,840 18	2,145 58
Norfolk	10,490 20	259 04	113,478 71	1,494 67	....
Northumberland and Durham	2,673 76	1,689 50	24,275 09	4,139 59	....
Ontario	9,625 79	624 81	16,771 33	2,347 12	684 50
Oxford	1,052 88	2,942 19	26,718 10	1,302 73	....
Peel	2,073 38	147 15	27,321 92	1,253 04	3,190 79
Perth	4,511 31	934 75	28,696 65	114 40	2,625 49
Peterboro	4,212 81	1,960 74	17,667 57	34 40	....
Prescott and Russell	3,642 12	258 90	12,153 60	1,503 20	....
Prince Edward	74 00	295 67	10,726 85	43 15	2,340 36
Renfrew	2,157 89	1,292 33	9,877 63	1,255 60	4,684 11
Simcoe	2,271 60	350 21	43,506 26	3,202 39	251 14
Stormont, Dundas and Glengarry	1,431 58	1,345 92	38,414 01	2,027 89	18,274 85
Victoria	1,551 10	6,142 25	38,401 56	1,957 99	333 12
Waterloo	1,276 83	663 85	34,532 81	1,035 66	....
Welland	1,451 77	71 75	55,345 59	370 10	2,226 18
Wellington	10,118 49	5,673 06	53,432 46	8,930 63	1,095 27
Wentworth	11,161 12	4,200 13	38,657 34	1,019 75	2,664 83
York	4,131 46	914 31	33,444 55	1,021 82	8,833 69
Totals	140,206 10	54,050 37	1,228,472 20	102,863 90	78,671 62

No. 2

1922

and Repair on County Roads

and ending December 31st, 1922.

Snow Shovelling	Bridges	Ditching and Draining	Cutting Weeds and Brush	Wire Fence Bonus	Total Expenditure	Total Government Grant, 40%
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
96 63	....	....	360 65	....	26,918 67	10,767 46
363 74	1,006 89	....	225 80	....	24,460 10	9,784 04
2,516 40	274 14	877 89	390 38	....	63,194 22	25,277 69
176 94	176 61	252 32	....	....	34,060 10	13,624 04
50 80	711 09	362 47	1,345 38	....	71,993 60	28,797 44
....	638 94	1.538 04	239 85	....	69,600 79	27,840 31
201 67	20 25	....	....	200 41	20,631 98	8,252 79
1,200 52	841 03	....	....	959 20	58,767 10	23,506 84
....	695 55	....	374 60	....	14,852 79	5,941 11
....	211 55	....	....	....	12,721 04	5,088 42
870 42	1,797 55	....	100 50	....	46,237 11	18,494 84
446 18	2,975 92	479 84	573 83	....	52,392 53	20,957 01
....	852 62	3,407 60	933 78	....	40,880 25	16,352 10
....	7,605 76	2,234 80	369 86	....	65,975 78	26,390 31
794 60	789 93	....	....	....	34,409 68	13,763 87
....	1,007 73	....	....	118 90	51,223 55	20,489 42
246 03	530 23	....	375 24	....	26,051 24	10,420 50
19 62	525 21	3,801 23	657 52	....	45,542 61	18,217 04
208 50	5,364 15	3,097 56	2,002 97	....	95,493 73	38,197 49
942 10	448 82	....	288 96	....	127,402 50	50,961 00
562 65	872 33	1,477 77	437 49	....	36,128 18	14,451 27
316 75	206 41	....	478 30	575 50	31,630 51	12,652 20
166 76	697 33	556 80	638 79	51 40	34,126 98	13,650 79
....	599 97	....	22 44	....	34,608 69	13,843 48
1,386 58	437 21	....	....	....	38,706 39	15,482 56
143 07	2,070 35	373 16	18 00	63 65	26,543 75	10,617 50
896 94	2,119 99	....	....	....	20,574 75	8,229 90
			Hold-back	*from last year*	*295 67*	*118 27*
....	264 25	....	....	....	13,448 61	5,379 44
215 65	145 63	....	8 75	....	19,637 59	7,855 04
1,016 29	599 70	....	....	2,130 59	53,328 18	21,331 27
793 45	369 90	....	694 95	....	63,352 55	25,341 02
106 63	171 14	....	187 65	564 73	49,416 17	19,766 47
106 06	3.747 59	....	....	....	41,362 80	16,545 12
82 60	114 89	....	54 55	....	59,717 43	23,886 97
436 38	2,086 85	1,255 72	....	1,033 42	84,062 28	33,624 91
....	....	....	....	....	57,703 17	23,081 27
935 41	6 10	....	....	....	49,287 34	19,714 94
15,299 37	40,983 61	19,715 20	10,780 24	5,697 80	1,696,740 41	678,696 14

*Calcium chloride.

APPENDIX

SUMMARY,

Statement of Work and Expenditure on

County	Work Done During Year						
	Miles Graded	Miles Stoned	Miles Gravelled	Tile Drain Rods	Bridges	Pipe and Tile Culverts	Other Culverts
Brant	6.25	Concrete 2.50	....	38	1	15	....
Bruce	32.25	1.25	17.25	180	3	37	10
Carleton	3.50	4.50 Asp. Con. 2.75 Bit. Mac. 3.50	0.75	66	1	9	15
Dufferin	5.30	1.00	3.60	....	1	22	1
Elgin	0.75	....	0.75	497	....	1	....
Essex	8.62	Concrete 8.27	2.75	3,723	....	8	2
Frontenac	0.12	....	....	....	3	7	....
Grey	14.00	2.50 Concrete 1.12	10.75	....	....	2	49
Haldimand	8.50	....	....	....	....	33	....
Halton	0.50	0.50	....	42	2	6	1
Hastings	7.63	4.04	2.29	....	....	25	....
Huron	5.25	....	5.25	80	4	2	11
Kent	9.72	Concrete 8.87	....	1,625	2	34	3
Lambton	5.25	Concrete 1.75	2.00	250	1	34	4
Lanark	2.75	2.75	....	....	....	6	8
Leeds and Grenville	0.50	0.50	....	....	....	....	1
Lennox and Addington	7.77	3.27	1.00	....	....	38	....
Lincoln	....	....	....	....	....	....	....
Middlesex	0.75	....	....	1,164	....	....	3
Norfolk	2.12	2.12	....	....	2	6	....
Northumberland and Durham	7.00	....	4.37	....	....	34	....
Ontario	7.40	1.00	1.50	....	4	32	8
Oxford	....	3.00	....	40	....	....	....
Peel	....	....	....	....	....	....	....
Perth	0.75	Concrete †*0.75*	0.75	151	1	....	....
Peterboro	0.87	....	0.87	....	....	16	2
Prescott and Russell	....	....	....	....	....	....	....
Prince Edward	3.13	2.88	....	....	....	22	....
Renfrew	10.80	12.70	....	....	1	72	45
Simcoe	6.83	....	5.83	....	1	18	8
Stormont, Dundas and Glengarry	22.00	19.00	....	60	1	10	4
Victoria	12.33	4.33 Bit. Mac. 2.27 Asp. Con. 0.05	6.35	135	1	117	6
Waterloo	4.09	Concrete 2.59	....	....	2	6	2
Welland	11.03	7.03 Bit. Mac. 2.00	....	....	....	11	....
Wellington	0.31	....	....	....	1	....	....
Wentworth	7.37	4.50 Concrete 2.87	....	....	1	13	5
York	6.62	2.15 Asp. Con. 2.08	1.91	....	1	59	7
Totals	222.06	* 120.39	67.97	8,051	34	695	195

*Includes:—

W. B. Macadam	79.02 miles
Concrete	28.72 "
Bituminous Macadam	7.77 "
Asphaltic Concrete	4.88 "

†Note.—Carried forward from 1921 expenditure.

No. 3

1922

Provincial County Road Construction

Approved Expenditure for Year								
Roads and Culverts	Bridges	Special Grants to Towns and Villages	Approved Expenditure on Construction	Approved Expenditure on Maintenance	Total Approved Expenditure	Government Grant 60%	Dis-allowed	Receipts
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
67,467 49	7,475 54	....	74,943 03	46,546 22	121,489 25	72,893 55	....	....
76,398 10	11,904 84	3,724 81	92,027 75	20,367 75	112,395 50	67,437 30	....	....
230,699 70	6,541 48	....	237,241 18	19,652 15	256,893 33	154,135 99	....	....
15,866 65	1,325 85	9,950 00	27,142 50	11,981 81	39,124 31	23,474 58	2,029 93	....
3,195 34	....	1,618 97	4,814 31	10,977 07	15,791 38	9,474 83	....	....
253,847 65	....	....	253,847 65	37,589 30	291,436 95	174,862 17	1,926 30	228 47
1,840 21	4,014 85	....	5,855 06	9,337 50	15,192 56	9,115 54	....	....
122,880 74	....	8,650 00	131,530 74	3,068 55	134,599 29	80,759 57	....	....
16,573 13	....	....	16,573 13	272 75	16,845 88	10,107 53	....	....
8,071 59	3,294 79	....	11,366 38	8,611 94	19,978 32	11,986 99	....	....
29,131 66	....	....	29,131 66	22,885 14	52,016 80	31,210 08	8,272 80	....
16,592 25	2,814 27	1,396 00	20,802 52	26,954 66	47,757 18	28,654 31	....	....
211,678 43	16,340 90	1,117 45	229,136 78	25,962 65	255,099 43	153,059 66	15 00	572 75
60,456 15	5,270 50	1,437 92	67,164 57	20,833 42	87,997 99	52,798 79	....	34 80
42,703 05	....	....	42,703 05	8,844 84	51,547 89	30,928 73	....	504 63
3,922 86	....	....	3,922 86	21,205 87	25,128 73	15,077 24	....	....
35,333 00	....	....	35,333 00	10,266 58	45,599 58	27,359 75	....	....
....	....	....	....	....	....	....	....	....
4,709 57	....	....	4,709 57	14,975 87	19,685 44	11,811 26	....	....
40,817 62	1,798 09	....	42,615 71	9,526 81	52,142 52	31,285 50	....	....
19,992 42	....	7,583 47	27,575 89	21,100 86	48,676 75	29,206 05	4,143 92	....
18,702 46	11,310 95	825 49	30,838 90	19,946 73	50,785 63	30,471 37	....	151 75
4,774 51	....	....	4,774 51	4,115 80	8,890 31	5,334 19	....	30 00
....	....	....	....	....	....	....	....	....
16,531 15			*16,531 15*		*16,531 15*	*9,918 69*	Hold-back year	from last
3,233 12	900 00	....	4,133 12	5,322 81	9,455 93	5,673 56		
5,150 54	....	....	5,150 54	5,452 32	10,602 86	6,361 72	....	....
....	....	....	....	1,049 16	1,049 16	629 50	....	....
				† *330 00*	*330 00*	*198 00*	Hold-back year	from last
16,602 85	....	....	16,602 85	8,846 98	25,449 83	15,269 90	....	....
182,149 06	1,137 60	....	183,286 66	11,299 97	194,586 63	116,751 98	....	....
35,967 96	1,024 11	11,847 93	48,840 00	30,587 47	79,427 47	47,656 48	1,585 28	....
119,616 42	2,170 25	....	121,786 67	30,090 30	151,876 97	91,126 18	....	....
† *119 15*			*119 15*	*10 56*	*129 71*	*77 83*	Hold-back year	from last
109,529 89	2,095 80	2,027 32	113,653 01	11,269 33	124,922 34	74,953 40	441 14	....
58,286 12	16,597 84	4,095 48	78,979 44	8,367 50	87,346 94	52,408 16	50 40	....
157,613 32	1,380 00	39,706 35	198,699 67	24,989 82	223,689 49	134,213 69	....	....
1,972 96	5,884 80	1,943 25	9,801 01	30,788 62	40,589 63	24,353 78	....	5 85
91,435 05	928 56	....	92,363 61	3,818 72	96,182 33	57,709 40	....	....
127,413 03	9,148 74	....	136,561 77	12,508 99	149,070 76	89,442 46	....	15 76
2,211,275 20	113,359 76	95,924 44	2,420,559 40	559,756 82	2,980,316 22	1,788,189 71	18,464 77	1,544 01

APPENDIX

SUMMARY,

Schedule of Expenditure on Maintenance

For the period beginning January 1st,

County	Grading	Culverts	Re-surfacing	Dragging	Oiling or Tarring
	$ c.	$ c.	$ c.	$ c.	$ c.
Brant	4,220 86	247 60	32,855 28	3,548 52	4,422 24
Bruce	1,623 06	464 09	14,061 69	1,364 21	....
Carleton	520 59	263 08	10,043 85	75 85	6,834 35
Dufferin	1,510 82	104 72	9,116 16	706 42	232 70
Elgin	727 80	190 01	8,137 36	1,506 98	....
Essex	16 00	214 84	27,932 49	4,287 80	4,549 75
Frontenac	1,388 17	319 40	5,979 43	....	1,209 40
Grey	290 25	24 90	2,398 10	167 50	....
Haldimand	....	14 50	....	247 45	....
Halton	117 20	72 60	7,988 40	353 85	....
Hastings	8,359 41	1,210 34	10,806 49	456 09	1,056 36
Huron	1,835 54	2,586 88	17,793 68	1,700 99	421 91
Kent	3,074 66	118 49	15,742 13	3,462 16	....
Lambton	1,150 96	210 35	14,086 45	2,249 80	285 76
Lanark	520 00	123 60	4,635 72	376 25	2,432 52
Leeds and Grenville	1,371 30	25 86	18,839 25	907 66	....
Lennox and Addington	1,437 96	5 00	8,456 78	24 75	....
Lincoln	....	....	....	....	....
Middlesex	218 65	83 80	11,786 75	1,951 48	118 61
Norfolk	1,209 04	....	7,316 32	156 21	320 00
Northumberland and Durham	1,461 10	511 18	16,173 50	1,745 90	....
Ontario	6,733 50	336 17	10,183 09	1,205 84	239 81
Oxford	275 50	345 80	2,879 89	292 70	....
Peel	....	....	....	....	....
Perth	1,136 39	146 65	3,686 39	....	211 55
Peterboro	1,809 28	208 99	3,306 35	....	....
Prescott and Russell	110 20	....	869 46	....	....
Prince Edward	15 45	*330 00* 3,217 42	47 25	5,531 56	....
Renfrew	346 92	185 85	827 22	212 00	9,663 88
Simcoe	2,076 00	27 43	25,438 22	564 60	1,771 42
Stormont, Dundas and Glengarry	406 79	346 63	6,197 60	250 11	20,900 91
Victoria	573 10	564 85	*10 56* 7,345 94	1,167 78	499 52
Waterloo	237 05	99 44	7,133 34	378 90	....
Welland	106 80	11 35	12,158 69	448 40	12,174 33
Wellington	2,612 75	994 46	20,996 80	2,826 74	1,581 22
Wentworth	563 50	....	1,228 50	....	2,026 72
York	1,185 71	306 19	8,448 68	259 88	2,124 03
Totals	49,242 31	13,912 47	354,907 81	38,428 38	73,076 99

No. 4

1922

and Repair on Provincial County Roads

1922, and ending December 31st, 1922.

Snow Shovelling	Bridges	Ditching and Draining	Cutting Weeds and Brush	Wire Fence Bonus	Total Expenditure	Total Government Grant, 60%
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
317 46	364 36	....	569 90	....	46,546 22	27,927 73
227 66	2,378 28	....	248 76	....	20,367 75	12,220 65
685 61	717 11	380 76	130 95	....	19,652 15	11,791 29
142 59	10 50	157 90	....	....	11,981 81	7,189 09
8 90	31 15	58 45	316 42	....	10,977 07	6,586 24
....	204 90	216 32	167 20	....	37,589 30	22,553 58
86 12	87 89	173 57	....	93 52	9,337 50	5,602 50
169 80	....	....	....	18 00	3,068 55	1,841 13
....	....	....	10 80	....	272 75	163 65
....	79 89	....	....	....	8,611 94	5,167 16
332 15	488 38	....	175 92	....	22,885 14	13,731 08
210 90	2,035 53	193 73	175 50	....	26,954 66	16,172 80
....	2,604 72	373 81	586 68	....	25,962 65	15,577 59
Operating Ferry 1,408 75	195 34	709 21	536 80	....	20,833 42	12,500 05
324 50	432 25	....	....	....	8,844 84	5,306 90
....	....	....	....	61 80	21,205 87	12,723 52
259 34	38 25	26 00	18 50	....	10,266 58	6,159 95
....	....	....	....	....	....	....
37 85	422 09	63 57	293 07	....	14,975 87	8,985 52
37 10	427 45	....	60 69	....	9,526 81	5,716 08
194 18	484 60	475 90	54 50	....	21,100 86	12,660 52
221 55	178 90	....	293 80	554 07	19,946 73	11,968 04
209 19	30 61	16 26	60 10	5 75	4,115 80	2,469 48
....	....	....	....	....	....	....
39 35	102 48	....	....	....	5,322 81	3,193 69
3 70	8 60	....	99 50	15 90	5,452 32	3,271 39
69 50	....	....	....	....	1,049 16	629 50
			Hold-back	*from last year*	*330 00*	*198 00*
35 30	....	....	....	....	8,846 98	5,308 19
1 50	....	....	62 60	....	11,299 97	6,779 98
221 60	286 40	....	....	201 80	30,587 47	18,352 48
797 10	708 56	....	482 60	....	30,090 30	18,054 18
			Hold-back	*from last year*	*10 56*	*6 34*
94 55	151 49	....	258 20	613 90	11,269 33	6,761 60
....	518 77	....	....	....	8,367 50	5,020 50
5 25	....	....	85 00	....	24,989 82	14,993 89
123 05	657 74	708 26	....	287 60	30,788 62	18,473 17
....	....	....	....	....	3,818 72	2,291 23
172 66	11 84	....	....	....	12,508 99	7,505 40
6,437 21	13,658 08	3,553 74	4,687 49	1,852 34	559,756 82	335,854 09

APPENDIX No. 5

SUMMARY, 1922

Expenditure on Township Roads

The following schedule shows in detail the work and approved expenditure on Township Roads during 1922, and upon which Provincial subsidies were paid in 1923, under the provisions of The Ontario Highways Act.

Number of Town-ships	Approved Expenditure for Year						Government Grant 20%	Superintendence		Total Approved Expenditure	Total Governm't Grant
	Roads and Culverts	Bridges	Maintenance	Machinery	Purchase of Gravel Pits	Approved Expenditure		Expendi-ture	Governm't Grant 40%		
313	$774,336 84	$374,158 51	$1,832,200 75	$87,936 37	$23,573 06	$3,092,205 53	$618,440 93	$77,900 44	$31,160 55	$3,170,105 97	$649,601 48

APPENDIX No. 6

REPORT ON TRAFFIC CENSUS, 1922

Kingston-Montreal Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
Johnstown Corner.............	1922	214.4	4.4	.5	7.3	.3	22.4	17.9	267.2	403
West limits of Cornwall.........	1922	572.9	57.9	11.2	1.1	1.7	157.0	41.7	843.5	943
Quebec Boundary.............	1922	90.4	.9	.9	.....	.3	19.9	20.2	112.6	136
West of Brockville, E. side of Lynn Road.................	1922	608.1	47.2	8.0	.3	.3	111.6	46.0	821.5	....
	1914	*136.9*	*.8*	.....	.....	.....	*208.8*	*67.9*	*414.4*	*539*
East of Brockville, opposite Lot 1, Con. 1, Elizabethtown Twp....	1922	513.6	9.7	32.7	6.3	.1	52.7	15.1	630.2	....
	1914	*38.0*	.....	.....	.....	.....	*49.2*	*9.7*	*96.9*	*114*
East of Kingston, opposite Lot 1, Con. 1, Township of Pittsburg	1922	746.9	50.8	11.0	5.0	.3	95.4	30.9	940.3	1,047

Ottawa-Prescott Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
Cons. 1 and 2, Oxford Township	1922	376.1	20.7	16.5	4.9	2.0	66.7	77.0	563.9	.....
Intersection with Ottawa-Perth Road........................	1922	467.4	20.3	4.3	2.4	1.0	20.6	14 3	550.3	.....
	1914	*11.2*	*0.5*	.....	.....	.....	*36.8*	*45.9*	*94.4*	*101*
Johnstown Corner.............	1922	409.6	9.9	1.8	9.4	.1	28.4	19.8	479.0	808

Ottawa-Point Fortune Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
East of Ottawa, at "Quarries"..	1922	677.1	83.8	12.8	27.6	6.0	23.63	100.7	1,143.3	2,766
	1914	*39.0*	*4.6*	.....	.....	.....	*88.1*	*71.3*	*203.0*	*344*
Lot 7, Con. 1, L'Orignal Township........................	1922	155.7	6.1	.....	.....	.....	68.3	8.8	238.9	305
Point Fortune...................	1922	134.9	1.5	2.8	.....	.....	28.7	8.8	216.7	294

Ottawa-Pembroke Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
Opposite Lots 20 and 21, Cons. 3 and 4, Fitzroy Township	1922	255.7	15.6	1.5	4.6	.1	38.6	48.8	371.0	796
Opposite Lot 21, Con. 1, Admaston Township	1922	41.0	1.2	.....	.....	.1	8.6	15.6	66.5	82

Ottawa-Kingston Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
North of Kingston at junction with Kingston Mills Road	1922	298.0	2.7	7.1	1.1	.1	42.8	50.3	392.1	567
	1914	*6.4*	*0.3*	.....	.....	.....	*29.3*	*11.6*	*47.6*	*104*
Crosby Corners	1922	238.3	7.6	4.5	.6	.7	124.9	70.6	456.2	494
Lombardy	1922	347.0	10.1	8.3	.....	.....	111.7	40.4	517.5	673
Intersection with Ottawa-Prescott Road	1922	122.3	5.4	6.6	2.1	.1	7.9	14.7	159.1	.....
West side Bell's Corners Intersection	1922	225.0	25.7	10.3	.1	.1	26.0	9.3	296.5	.....
	1914	*34.9*	*1.0*	.....	.....	.....	*58.5*	*24.2*	*118.6*	*150*
Lot 7, Con. 3, Drummond Township	1922	83.3	1.5	1.2	.....	.....	40.7	11.0	137.7	.....

Kingston-Belleville Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
East of Belleville, at west side of Point Anne Road	1922	545.1	25.9	8.4	5.3	.....	38.9	17.4	641.0	858
	1914	*27.6*	.....	.....	.....	.....	*88.7*	*18.0*	*134.3*	*191*
South of Cataraqui Corner	1922	770.6	50.5	14.2	9.9	.1	103.9	55.8	1,005.0	1,341
	1914	*62.8*	*2.3*	.....	.....	.....	*279.7*	*130.7*	*475.5*	*695*

Port Hope-Belleville Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
Immediately east of Brighton Village	1922	484.1	15.2	.15	.4	.....	27.6	22.0	550.8	700
West of Belleville, opposite Lot 31, Con. 1, Sydney Township.	1922	792.9	54.4	18.9	8.7	1.1	77.6	75.2	1,048.8	1,380
	1914	*67.0*	*1.3*	.....	.....	.....	*109.5*	*44.6*	*222.4*	*278*

Belleville-Foxboro Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
North of Belleville, opposite Lot 4, Con. 2, Thurlow Township.	1922	257.9	13.2	9.7	....	.1	62.4	55.7	399.0	539
	1914	*45.8*	.....	.....	.....	.....	*95.0*	*30.7*	*171.5*	*329*

Belleville-Picton Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
On Belleville Bay Bridge.......	1922	257.9	13.2	9.7	.4	.....	74.5	25.6	517.1	717

Port Hope-Peterboro Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
South of Peterboro, at Scott's Corners	1922	393.1	10.1	8.0	.1	.6	11.0	9.3	432.2	654
	1914	*17.7*	.....	.....	.....	.....	*32.0*	*10.6*	*60.3*	*109*
North of Port Hope, at south side Con. 3, Hope Township......	*1922*	286.6	13.9	3.9	.6	.7	53.1	46.8	405.6	504

Toronto-Port Hope Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
West of Bowmanville at Courtice	1922	936.0	26.6	25.0	2.6	.6	46.9	22.4	1,060.1	1,380
West of Welcome	1922	707.3	17.1	6.4	1.0	.4	59.8	29.9	821.9	1,096
East of Toronto, intersection of Markham Road and Danforth Avenue	1922	4,125.9	297.9	130.8	91.3	.....	91.0	67.9	4,804.8	7,310
East side of Highland Creek	1922	1,526.3	97.7	92.3	.....	.....	50.8	20.1	1,787.2	2,737
	1914	*174.0*	*1.1*	.....	.....	.....	*64.6*	*13.7*	*253.4*	*411*

Whitby-Lindsay Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
West of Lindsay, at east side, Cons. 3 and 4, Ops Township	1922	189.5	4.0	3.3	.3	.2	26.0	45.0	268.3	334
Manchester Corner, south of Port Perry Road	1922	392.4	21.5	8.6	.....	.1	29.8	18.5	470.9	714
North of Whitby, at south side Cons. 2 and 3, North Whitby Township	1922	272.7	20.3	3.5	.....	.1	24.5	13.1	334.2	456

Toronto-Severn Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
Top of Holland Landing Hill	1922	686.1	9.6	4.0	.1	.....	17.1	6.3	723.2	1,221
South of Barrie at south side, Con. 11 and 12, Innisfil Township	1922	544.9	13.2	6.1	.7	.4	17.8	8.7	591.8	921
South limits, Town of Barrie	1922	381.1	8.4	1.1	5.7	.3	27.4	25.4	439.4	618
South of Washago at south side of Sparrow Lake Road	1922	273.3	7.6	1.6	....	.....	14.5	7.6	299.6	395
Opposite Thornhill Golf Club	1922	1,333.9	89.9	28.1	.1	.1	21.7	16.5	1,490.3	2,408
	1914	*239.2*	*10.2*	....	....	.....	*65.9*	*21.7*	*337.0*	*500*

Toronto-Hamilton Road (Dundas Street)

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
*West of Bloor Street Intersection	1922	1,576.4	64.8	19.5	29.6	.1	35.5	24.8	1,750.7	4,106
	1914	*348.7*	*14.4*	.....	.....	.....	*167.9*	*80.1*	*611.1*	*910*
Cooksville Corners	1922	851.4	80.1	62.8	.3	.....	36.8	32.0	1,063.4	1,785
	1914	*311.8*	*12.4*	.....	.....	.....	*160.9*	*104.4*	*589.5*	*719*

* *Note: 1914 observing point at Islington P.O., 1 mile east of 1922 observing point.*

Toronto and Hamilton Highway

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
100 ft. east of Long Branch Avenue	1922	7,501.3	328.3	230.5	77.4	11.3	47.6	40.0	8,236.4	12,296
	1914	*159.4*	*14.4*	.....	.....	....	*68.7*	*44.3*	*286.8*	*382*
Opposite Starch Works, Port Credit	1922	5,848.7	307.6	141.3	77.9	....	25.3	17.2	6,418.0	10,109
	1914	*171.4*	*11.6*	.....	.....	....	*158.7*	*58.3*	*400.0*	*520*
East Oakville Limits	1922	4,793.9	181.5	91.8	48.7	....	13.9	17.1	5,146.9	8,821
East of Bronte	1922	4,269.0	103.3	74.4	41.7	.1	4.0	3.3	4,495.8	7,942
Burlington	1922	4,735.3	252.6	91.3	45.4	....	14.7	17.4	5,156.7	8,178
West of King's Road	1922	4,394.4	247.3	110.6	44.9	....	22.4	30.6	4,840.2	7,265
	1914	*105.4*	*3.0*	.....	.....	....	*84.1*	*32.0*	*224.5*	*298*
Intersection with New Hamilton Entrance	1922	5,376.9	330.3	128.4	60.9	....	32.1	8.3	5,936.9	8,573

Port Credit-Owen Sound Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
South of Chatsworth, at north side Lot Line 14 and 15, Con. 2, Holland Township	1922	152.7	4.0	1.1	.....	.3	32.5	14.8	205.4	275
South of Flesherton, at north side Lot Line 160 and 161, Con. 1, East, Artemesia Township	1922	153.6	1.7	.7	.....	.....	51.4	11.2	218.6	419
North of Orangeville, at Lot Line 4 and 5, Con. 2, West, Mono Township	1922	191.1	5.0	1.0	.....	.4	28.9	26.7	253.1	334
North of Brampton, at south side Lot, Line 10 and 11, Con. 1, Chinguacousy Township	1922	702.0	72.0	50.9	.7	1.0	82.6	67.4	976.6	1,124

Hamilton-Guelph Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
North side of intersection with Con. 5 and 6, East Flamboro Township	1922	516.6	30.3	10.7	12.1	.9	11.7	10.8	593.1	911
	1914	*33.9*	*0.4*	.....	.....	.....	*69.0*	*37.5*	*140.8*	*238*
South of Guelph, at north side of Lot Line 6 and 7, Puslinch Township	1922	872.4	49.5	10.0	15.9	.....	28.7	13.7	990.2	1,582
	1914	*37.3*	*2.3*	.....	.....	.....	*68.6*	*35.3*	*143.5*	*233*

Guelph-Owen Sound Road

August 30th to September 5th, 1922, inclusive, 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
South of Owen Sound, at North Sydenham-Holland Townline	1922	206.7	6.8	5.6	.4	.4	30.2	12.2	298.3	377
	1914	*13.3*	.....	.....	.....	.....	*39.0*	*12.1*	*64.4*	*76*
South of Durham, at north side of Glenelg-Egremont Townline	1922	177.1	5.2	.1	.....	.3	35.9	8.7	227.3	293
South of Arthur, at north side Lot Line 18 and 19, Peel Township	1922	227.1	8.3	3.4	.1	.4	69.4	36.6	345.3	433

Hamilton-Kitchener Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
Top of Dundas Mountain	1922	840.3	37.3	76.8	8.6	1.4	89.2	30.1	1,083.7	1,603
	1914	*49.6*	*2.1*	.....	.....	.....	*159.9*	*63.4*	*275.0*	*441*

Kitchener-Brampton Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
South-west of Brampton at west side Con. 1 and 2, West, Chinguacousy Township	1922	427.9	15.4	13.0	.....	.4	15.5	4.4	476.6	735
East of Kitchener, at G.T.R. Crossing	1922	461.6	20.9	20.2	.3	.....	25.5	3.2	531.7	745
	1914	*43.2*	*3.3*	.....	.....	.....	*75.4*	*16.0*	*137.9*	*240*
North-east corner Lot 11, Con. 2, Guelph Township	1922	179.9	10.5	7.0	.3	.1	30.9	9.7	238.4	308
	1914	*8.0*	*3.0*	.....	.....	.....	*37.8*	*8.5*	*54.6*	*86*

Kitchener-Stratford Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
East of Stratford at Lot Line 35 and 36, North Easthope Township	1922	137.9	6.0	3.5	.....	.3	22.4	8.0	178.1	228
	1914	*36.8*	*0.3*	.....	.....	.....	*40.0*	*17.1*	*94.2*	*111*
West of Kitchener at east side of New Dundee Road	1922	116.1	13.4	12.7	.3	.6	14.9	35.2	193.2	263
	1914	*13.0*	*0.3*	.....	.....	.....	*66.6*	*19.7*	*99.6*	*250*

Arthur-Kincardine Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
South of Kincardine, at west side of Lots 10 and 11, Kincardine Township	1922	92.0	3.8	2.0	.....	.1	8.0	34.2	140.1	258
Riversdale Village	1922	85.1	3.0	1.6	.....	.1	35.0	24.0	148.8	212
South limits of Clifford Village	1922	226.0	12.4	.6	.6	.3	42.8	14.2	294.7	393
South limits of Harriston	1922	335.4	12.3	1.4	2.1	.1	83.1	32.3	466.7	654

Stratford-Goderich Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
South of Goderich, at north side Lot Line 5 and 6	1922	205.7	2.4	1.9	2.7	.....	73.9	20.7	307.3	400
South of Seaforth at Tuckersmith-Hibbert Town Line	1922	185.3	7.0	3.4	7.4	.1	43.1	7.0	256.9	337
South side Lot Line 10 and 11, Ellice Township	1922	800.1	16.3	8.6	8.0	.....	43.2	12.3	888.5	1,493
	1914	*63.5*	*0.6*	.....	.....	.....	*110.0*	*19.1*	*193.2*	*318*

Stratford-London Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
North of London at south side Cons. 4 and 5, London Township	1922	785.7	44.9	20.7	1.9	.....	59.2	28.1	940.5	1,324
	1914	*51.2*	*2.1*	.....	.....	.....	*80.3*	*23.5*	*157.1*	*181*
West of St. Marys, at G.T.R. Crossing	1922	267.3	13.2	8.0	.3	.3	58.4	24.8	372.3	465
Elginfield — Elginfield-London Traffic	1922	315.9	6.0	10.4	1.4	.....	15.7	9.8	359.2	588
Elginfield — Elginfield-Stratford Traffic	1922	40.7	.5	1.9	.....	.1	11.2	14.5	68.9	92
South of Stratford, at Cons. 3 and 4, Downie Township	1922	546.4	13.3	1.0	.....	.....	85.2	35.7	697.6	998
	1914	*78.3*	*0.8*	.....	.....	.....	*173.5*	*53.5*	*306.1*	*393*

Sarnia-London Road

August 30th to September 5th, 1922, inclusive, 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
West side of Lot Line 15 and 16, Sarnia Township	1922	857.4	17.2	7.1	1.9	.1	47.3	14.5	945.5	1,366
	1914	*21.1*	*0.8*	.....	.....	.....	*65.6*	*44.6*	*132.1*	*209*
Elginfield — Elginfield-Sarnia Traffic	1922	3.3	.1	.6	.....	.....	1.9	2.2	8.1	11

Hamilton-Queenston Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
Fruitland P.O.	1922	2,607.7	93.0	55.0	1.1	.9	45.2	47.9	2,849.8	5,030
	1914	*111.6*	*1.5*	.....	.....	.....	*45.0*	*30.9*	*189.0*	*253*
West side of 30-Mile Creek	1922	2,074.1	138.4	26.3	5.1	.....	41.3	32.9	2,318.1	4,040
Jordan Corner	1922	2,098.3	86.7	57.4	28.1	1.3	33.6	36.3	2,341.7	3,940
	1914	*154.4*	*0.6*	.....	.....	.....	*75.9*	*46.9*	*277.8*	*471*

Hamilton-Jarvis Road

August 30th to September 5th, 1922, inclusive, 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
Intersection with St. Thomas–Niagara Falls Rd.	1922	195.6	18.6	1.9	7.3	.....	16.6	16.9	256.9	334
North side Con. 7 and 8, Barton Township	1922	525.4	49.0	40.6	25.3	1.6	59.7	36.9	739.5	900
	1914	*40.5*	*1.4*	.....	.....	.....	*136.5*	*104.2*	*282.6*	*492*

St. Thomas-Niagara Falls Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
Yarmouth Centre	1922	544.6	27.4	13.5	.3	.3	31.3	14.1	631.5	920
	1914	*50.8*	*0.6*	.....	.....	.....	*99.4*	*26.1*	*176.9*	*274*
Canboro Corner	1922	300.7	14.9	3.2	4.7	.3	16.0	14.0	353.8	489
Forks Road, Lots 21 and 22, Wainfleet Township	1922	329.4	26.7	6.0	4.7	.3	19.9	21.1	408.1	592
North of Welland, Canboro Road Intersection	1922	363.6	31.3	17.0	2.1	.7	11.3	6.7	432.7	677

Hamilton-London Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
West side of Crumlin Corners	1922	868.1	21.3	16.3	4.7	.3	19.0	5.6	935.3	1,304
	1914	*86.2*	*1.7*	.....	.....	.....	*88.8*	*22.7*	*199.4*	*233*
Beachville..................	1922	639.1	36.6	12.5	.....	.9	41.1	57.7	787.9	952
	1914	*99.5*	*3.4*	.....	.....	.....	*118.4*	*38.0*	*259.3*	*323*
East of Woodstock, at west side Lot Line 12 and 13, Blandford Township............	1922	621.1	13.9	7.8	5.3	.6	51.5	13.4	704.6	940
	1914	*57.4*	*2.6*	.....	.....	.....	*69.6*	*17.1*	*146.7*	*285*
Cons. 1 and 2, Brantford Township................	1922	411.1	40.6	10.0	1.4	.....	17.8	62.5	543.4	687
	1914	*53.1*	*2.3*	.....	.....	.....	*27.8*	*11.0*	*94.2*	*124*
Cainsville G.T.R. Crossing...	1922	1,424.9	54.9	16.9	25.3	.....	55.0	30.9	1,607.9	2,154
	1914	*131.3*	*0.6*	.....	.....	.....	*191.5*	*65.4*	*388.8*	*578*
Hamilton & Dundas Railway Crossing at west limits of Hamilton*................	1922	2,667.9	174.5	89.9	78.3	.....	83.8	35.5	3,129.9	4,005
	1914	*152.4*	*10.3*	.....	.....	.....	*210.6*	*110.2*	*483.5*	*666*

**Note.—1914 observing point was located at Binkley's Corner, about ¾ mile west of 1922 observing point.*

London-St. Thomas Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
Talbotville.....................	1922	330.6	8.9	2.6	.3	.1	52.2	35.7	430.4	674
	1914	*54.8*	*3.9*	.....	.....	.....	*70.5*	*26.1*	*155.3*	*292*
Lambeth.....................	1922	391.3	22.0	5.2	.6	.6	27.1	29.7	476.5	672
	1914	*83.8*	*3.7*	.....	.....	.....	*123.5*	*39.8*	*250.8*	*305*

Windsor-Talbotville Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
Jackson's Corners	1922	1,081.1	39.6	10.6	4.3	.6	28.4	21.1	1,185.7	1,966
	1914	*99.1*	*3.2*	.....	.....	.....	*84.9*	*26.5*	*213.7*	*313*
Maidstone	1922	606.7	30.2	5.3	.....	.1	29.0	14.7	686.0	1,178
Division Road south of Cottam	1922	668.1	45.0	5.3	.1	.4	9.6	16.8	735.3	1,420
Cedar Springs	1922	665.0	40.3	6.4	7.1	.1	16.7	12.4	948.0	1,178
Morpeth	1922	337.4	21.7	2.5	.....	.6	28.1	35.9	426.2	514
Wallacetown	1922	138.9	17.1	.9	.....	.6	34.4	44.7	236.6	277
Talbotville	1922	224.1	7.7	5.6	.....	.1	53.2	35.5	326.2	402

Lambeth-Maidstone Road

August 30th to September 5th, 1922, inclusive; 6 a.m. to 10 p.m., Eastern Standard Time.

Location of Observer	Year	Passenger Automobiles	Light Motor Trucks	Heavy Motor Trucks	Motor Busses	Steam Engines and Lorries	1-Horse Vehicles	2-Horse Vehicles	Total Daily Average	Maximum for 1 day
West of Chatham, at east side of Lot Line 12 and 13, Raleigh Township	1922	155.7	5.7	5.4	.6	.3	.7	6.8	181.5	286
East of Chatham, at west side Lot Line 6 and 7, Chatham Township	1922	209.0	12.1	5.6	.....	.3	14.9	8.1	250.9	424
	1914	*15.5*	*0.1*	.....	.....	.....	*38.8*	*14.8*	*69.2*	*108*
Wardsville, east side of road to Ridgetown	1922	586.9	17.0	10.3	.1	.1	70.9	47.0	732.3	930
Maidstone	1922	329.6	13.3	1.3	.....	.....	18.1	6.8	369.1	802
Lambeth	1922	909.6	35.5	12.8	3.0	.1	46.3	19.0	1,026.3	1,231
	1914	*37.7*	*2.3*	.....	.....	.....	*58.9*	*16.5*	*115.4*	*170*

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Pub. No.	Title.
	Annual Reports.
	Annual Proceedings, Ontario Good Roads Association.
9.	Report of the Ontario Highways Commission, 1914.
10.	Regulations respecting Township Road Superintendents, 1916.
11.	Regulations respecting County Roads, 1920.
14.	Township Road Improvement, 1918.
15.	The Motor Vehicles Act, The Highway Travel Act, The Load of Vehicles Act, The Public Vehicles Act, 1920.
16.	General Specifications for Concrete Highway Bridges, 1920.
17.	General Specifications for Steel Highway Bridges, 1917.
18.	Highway Bridges, 1917.
19.	General Plans for Steel Highway Bridges, 1917.
20.	Description of Road Models Exhibit, 1917.
21.	Short Forms for Bridge Tenders, 1917.
22.	Report on Street Improvement, 1917.
23.	Bituminous Surfaces for Macadam Roads, 1917.
24.	Specifications for Bituminous Materials, 1917.
25.	County Road Legislation, as enacted by The Highway Improvement Act, The Ontario Highways Act, and The Obstructions on Highways Removal Act, 1920.
27.	Widening the Provincial Highway, 1919.
28.	Main Road Legislation, 1919.
29.	Regulations respecting Township Roads, 1920.
30.	Township Road Legislation, as enacted by The Ontario Highways Act, 1920.
31.	Motor Vehicle Headlamps.
32.	Report of Committee on Road Accounting.
33.	The Provincial Highway Act, 1922.
34.	The Planting and Care of Roadside Trees, 1923.
35.	The Public Vehicles Act, 1923.

The Third Annual Report

OF THE

Department of Labour

INCLUDING THE REPORTS OF THE ADMINISTRATION OF

The Stationary and Hoisting Engineers' Act, The Factory, Shop and
Office Building Act, The Employment Agencies' Act, The
Steam Boiler Act, The Ontario Government Offices
of the Employment Service of Canada.

Province of Ontario

1922

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TORONTO:
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1923

PRODUCED BY
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To His Honour HENRY COCKSHUTT,
Lieutenant-Governor of the Province of Ontario.

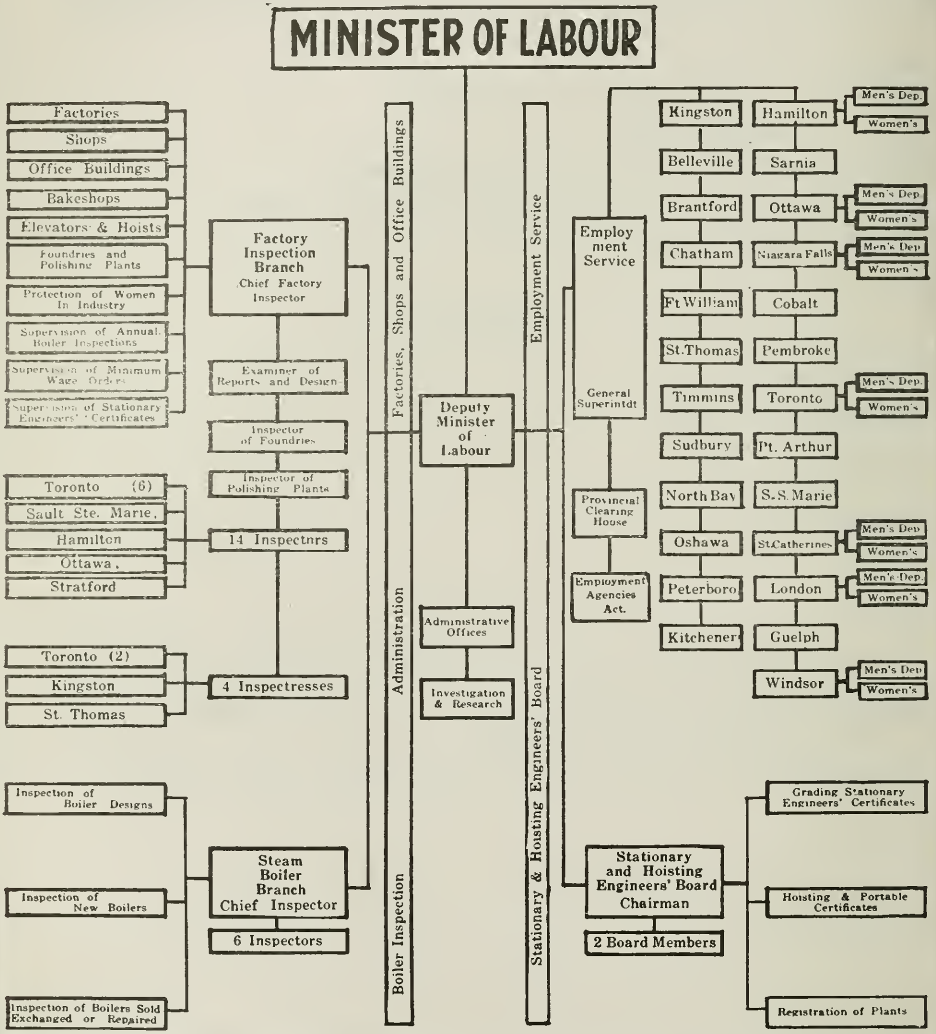
I beg to submit herewith for your consideration the Third Annual Report of the Department of Labour for the year 1922.

Respectfully submitted,

W. R. ROLLO,
Minister of Labour.

DEPARTMENT OF LABOUR

CHART SHOWING ORGANIZATION AND LINES OF WORK



HON. W. R. ROLLO,
Minister of Labour and Health.

Sir:

I have the honour to present to you the third annual report of the Department of Labour including general and statistical data associated with the work of the Boiler Inspection, Factory Inspection and Stationary and Hoisting Engineers' Branches, Ontario Offices of the Employment Service of Canada, Private Employment Agencies, Advisory Committee on Unemployment, Unemployment Relief and Provincial Employment Service Council.

INDUSTRIAL CONDITIONS

A brief survey of the work of the Department together with an outline of industrial conditions in Ontario during the year 1922 may also be of interest.

At the beginning of this period, the conditions which had been created as an aftermath of the great war era had begun to change. Agricultural, commercial, industrial and financial business interests had realized the necessity of getting down to the more normal aspects and avenues of trade and commerce. The unsettled condition of Europe continued to influence international adjustments and trade, but the propinquity of other parts of the Dominion and the United States exerted a steadying influence on the resumption in Ontario of ordinary levels of domestic and export trade.

While unemployment was acute in many of the towns and cities of the Province, there has been a gradual yet perceptible improvement in this condition of the labour market. Manufacturing, logging, mining, and building industries showed increased activity. This improvement was especially noticeable in the metal trades, including foundries and machine shops, while tanneries, boot and shoe factories and textiles were busier than formerly. Overtime permits were requested by firms engaged in the manufacture of confectionery, electrical goods, kodaks, neckwear, paper boxes, rubber goods, silks, wall-paper, whitewear and woollens.

Activity of the building trades may be measured by the increase of over 32 per cent. in the value of permits issued in twenty-five cities in the Province, and taking into consideration a slight decline in labour and material costs in building, this industry shows a decided improvement, which is reflected in other lines of manufacture. A considerable amount of construction work executed on public highways contributed to the general improvement of business and employment conditions.

EMPLOYMENT

The index number of employment for Quebec and Ontario as issued by the Federal Department of Labour based on 100, January, 1920, was 94 on October 31st, 1922, as compared with 87.2 on the same date of the previous year. Over all Canada, the index number stood at 95.8 at the end of October, 1922, an increase of 5.6 over the corresponding 1921 period. Returns from trade unions in Ontario indicate an average unemployed membership of 6 per cent. during 11 months 1922, as against 10 per cent. in 1921. The number of vacant positions reported by employers to the Ontario offices of the Employment Service of Canada was 180,967 during 1922, an increase of 44,109 over the previous year.

ADMINISTRATION

The general improvement in industrial conditions was reflected in the increased volume of business transacted by the respective branches of the Department.

STEAM BOILER BRANCH

Surveying and registering designs, and inspection of new steam boilers and pressure vessels under construction, also those bought, sold or exchanged as second hand, kept this Branch very busy. 333 designs were registered, 354 inspections of new work took place, and second hand boilers, totalling 846, were inspected.

The Canadian interprovincial regulations for the construction, repair and inspection of boilers, tanks and appurtenances were approved by his Honour the Lieutenant-Governor in Council on the 2nd day of March, 1922. These regulations are based on the best standards of boiler design and construction known to engineering science, and should prove a powerful aid to the permanent development of the boiler industry in the Province.

FACTORY INSPECTION BRANCH

A larger amount of business was handled by this Branch during the year than in any former fiscal period. 18,528 inspections were made, and the general provisions of The Factory, Shop and Office Building Act relating to health, safety and employment were satisfactorily enforced and carried out by all concerned. The value of the work of this Branch is enhanced by the splendid co-operation which most employers give in making effective the recommendations of the inspectorate. Special attention is being given by me to those sections of The Factory Act dealing with elevators and boilers. This Branch co-operates with and assists the Minimum Wage Board and Stationary and Hoisting Engineers' Board in making more effective the provisions of their respective Acts.

STATIONARY AND HOISTING ENGINEERS' BRANCH

This Branch showed increased activity. 13,912 certificates were granted; 1,968 candidates examined and 390 power plants were registered. The demand from operative engineers for certificates of competency at their occupation is a continual one, owing to renewals and the desire of the engineer to qualify for a higher grade. Members of the Board conducted examinations in different centres of the Province and this affords an opportunity to engineers to qualify for certificates without undue loss of time.

EMPLOYMENT SERVICE

The number of employment offices operated by the Department remained at 25. These offices are an industrial barometer showing the fluctuations in the demand for and supply of labour skilled and unskilled in their respective localities. Their value to the community consists in endeavouring to organize the labour market, and they give service to employers and employees, by bringing man and job together without loss of time. 192,266 registered for employment, and orders received from employers totalled 180,967. These figures give some indication of the turnover in the labour market. To a certain extent, this turnover is unavoidable, but most authorities are agreed that the reduction of labour turnover is a criterion of the success which is being attained by many forms of industrial enterprise. Employers who inform the Employment Service office of their vacant positions are meeting in a practical way a phase of the unemployment situation, while unemployed persons who place their qualifications and energy at the disposal of the Service are assisting in a solution of their difficulties in securing employment. The most reliable information and statistical data concerning unemployment in the Province will be forthcoming provided every employer who wants some kind of help, and every person who needs some kind of job, will inform the Employment Service of his requirements.

During the year the Provincial Employment Service Council was established with a view to increasing the efficiency of the Employment Service and making recommendations to the Minister of Labour for the prevention and alleviation of unemployment. A conference of employment office superintendents was held during the early part of October and matters pertaining to increasing the efficiency of the service thoroughly considered.

Wages

In some towns and cities in the Province, a decline in money wages took place in trades and occupations employing skilled and unskilled labour. The decline was chiefly associated with the building, electric railway, footwear, harness, logging, lumber, meat packing, metal printing, pulp and paper industries. The least decline took place in the printing trades while those engaged in the logging industry experienced the greatest reduction. Wages in some localities showed no change. A decline of approximately 6 per cent. took place in wages paid to common labour in factories. For this class of worker, the hourly rate varied from 27 cents to 57 cents per hour.

Hours

There was practically no change in the number of hours per week worked in the various industries. Tables showing the average number of hours per week wrought by the various trades and occupations are included in the report.

Industrial Unrest

The number of trade disputes involving a stoppage of work during the year was 23 altogether, as compared to 53 last year. This was the smallest number since 1916, although the time loss was greater than in 1920, because of the four strikes in the printing industry commenced in 1921 and remaining unterminated at the end of 1922. They formed a part of the general campaign launched in the United States and Canada for a 44-hour week. In these four strikes and in the strike of shoe workers which was also carried over from last year, 1,183 workers were involved with a time loss of 325,807 days, or about 88 per cent. of the total time loss for the year. The 18 strikes commenced during the year caused a time loss of only 42,086 working days and 1,529 employees were involved. Workers in the building trades and transportation were most affected by these disputes, in the strikes in the former group, 508 were involved causing a time loss of 28,226 days and in the latter, 815 with a time loss of 10,116 days.

Of the 18 strikes commenced during the year, 13 were in protest against wages or proposed wage reduction, one against both wages and hours, and one was due to hours only. The remaining three were for union recognition, in sympathy with strikers and in protest against alleged objection to employment of waitresses.

Settlements were affected in the case of 10 of this year's disputes and in the case of one of the disputes carried over from last year. Four strikes remained unterminated at the end of the year, and in the case of the other eight, either the strikers were replaced by other workers, or time loss ceased to be a factor.

GENERAL

The activities of the Department were associated with the work of the Ontario Advisory Committee on Unemployment, and unemployment relief disbursed by Ontario municipalities during the winter season of 1921-22. These matters are dealt with at greater length in another part of this report.

Conferences were held with representatives of different organizations and firms relative to accidents on elevators and in the electrical industry.

The Federal Government called a conference of Provincial Governments to meet in Ottawa on September 5th, 1922, to consider what steps might be taken to deal with the problem of unemployment. The Honourable E. C. Drury, Premier, the Honourable W. R. Rollo, Minister of Labour, and the deputy minister were in attendance at the conference.

The total volume of work executed by the Department during the 1922 fiscal year, shows that since the Department of Labour was created by the Act of 1919, its responsibilities have steadily increased, and conditioned upon the commercial and industrial development of the Province, a further extension of its activities for the safety and welfare of the industrial classes is assured.

JAS. H. H. BALLANTYNE,
Deputy Minister of Labour.

LABOUR LEGISLATION, 1922.

The Statutes of Ontario, 1922, include the following laws and amendments of special interest to labour:—

1. An Act to amend The Minimum Wage Act:—

The Minimum Wage Act of Ontario has been amended in conformity with similar legislation in the other provinces, by giving the Board authority to fix the working hours as well as the minimum wages of female employees. The Board has been granted all the powers that may be conferred upon a commission under The Public Inquiries Act with regard to the fixing of maximum hours as well as of minimum wages. After due enquiry, the Board may establish a minimum wage, and the maximum number of hours for which such minimum wage shall be paid. The Board may also establish a rate of wages for all time worked in excess of the established maximum number of hours per week.

2. An Act to amend The Workmen's Compensation Act.

By this amendment a subsection concerning dependents not resident in Ontario has been added to The Workmen's Compensation Act, to the effect that a railwayman's dependents who, in consequence of the workman's duties may have ceased to be residents of Ontario, shall nevertheless be entitled, if they later return to reside in Ontario, to compensation in respect of an accident occurring in Ontario on the same terms as though they had been residents at the time of the accident. The scale of compensation has been revised in respect to cases where the dependents are a widow or an invalid husband and one or more children, the provision being added that if the widow or invalid husband dies, the previous allowance of $10.00 for each child under 16 years shall be raised to $15.00.

3. An Act to amend The Steam Boiler Act.

This amendment effects the definition of a steam boiler by the addition of a clause excepting "a portable boiler rated at 25 horse-power or under, used exclusively for horticultural or agricultural purposes."

By an Order-in-Council 1922, the previous Orders-in-Council respecting the construction of steam boilers were revoked and the interprovincial regulations, which already have been adopted by Manitoba, Alberta, Saskatchewan and British Columbia were substituted.

4. The One Day's Rest in Seven Act, 1922.

This Act applies to cities and towns of over 10,000 and provides for 24 consecutive hours of rest in every seven days, on a Sunday, if possible, for all workers in hotels, restaurants and cafés with the exception of watchmen, janitors, superintendents and foremen, employees of a class where there are not more than two employed, and employees who are not employed for more than five hours in any one day.

5. An Act respecting Works and Measures to relieve Unemployment.

Under this Act municipal councils have been given authority to borrow money, without the assent of the electors, by the issue of debentures to meet expenditures on relief work not otherwise payable by debentures. Councils which have distributed unemployment relief in conformity with the Orders-in-

Council issued in January and February, 1922, or during 1921, may issue debentures to meet such expenditures. It has also been provided that no by-law passed under this Act shall take effect until it has been approved of by the Ontario Railway and Municipal Board.

6. An Act to amend The Children's Protection Act.

One clause of this amending Act states that "no child shall engage in any street trade or occupation between the hours of 10 o'clock in the afternoon and 6 o'clock in the forenoon of the following day."

7. An Act to amend The Railway Employees' Voting Act.

By this amendment two new groups of workers, the railway mail clerks employed by the Post Office Department of Canada and the railway express clerks employed by the express company, have been brought within the scope of the Act.

8. An Act to amend The Motor Vehicles Act.

One clause of this Act states that: "No person shall employ or permit anyone under the age of 16 years to operate a motor vehicle and no person shall employ or permit anyone over the age of 16 and under the age of 18 years to drive a motor vehicle unless and until he has passed an examination and obtained a license as above provided."

ONTARIO OFFICES, EMPLOYMENT SERVICE OF CANADA

GENERAL SUPERINTENDENT, H. C. HUDSON

Whether judged from the point of view of statistics or of usefulness to the community, the twelve months which have just ended, indicate that the Ontario offices of the Employment Service of Canada are filling a wider place in the industrial life of the Province. Although the early months of the year found employment more scarce than it has been for a great many years in Ontario, over 100,000 men and women were placed in positions of assumed permanency, while casual work was provided for over 40,000 persons. This represents a total increase of approximately 35,000 placements over the previous year's showing, and is largely an indication of growing efficiency in the service, together with evidence of the manner in which municipalities who found it necessary to provide relief work co-operated with the local public employment offices in assigning men to such employment.

The number of applications, 192,266, in 1922, was only 6,320 in excess of the applications for the previous year. There were, however, 44,109 more positions offered through the service than during the previous year, a larger number of which, as previously indicated, were vacancies connected with relief work. Figures prepared by the Federal Department of Labour at Ottawa from employment offices daily reports, indicate that the index number of employment for Quebec and Ontario was 94.0 on October 31, 1922, as compared with 87.2 on October 31, 1921, indicating an improvement in employment conditions. The index for all Canada stood at 90.2 on October 31, 1921, and 95.8 for all Canada on October 31, 1922. (See Chart, page 27.)

It is interesting to note that conditions at the end of October 1922 show a pronounced improvement over conditions of October of the previous year. During the former month the advances in Ontario provided work through the Employment Service for approximately 3,000 additional men and women, principally in automobile factories, logging camps and textile concerns.

The Employment Service provides a medium for ascertaining what classes of workmen need to be imported into Canada, and also provides machinery for their rapid and proper placement on arrival in the country. The close relationship between the Service and the important question of immigration is, accordingly, realized by those who are studying the subject. Just what additional duties and responsibilities this relationship will place upon the Employment Service remains to be seen. In the meantime, the Service is directly and effectively concerned in measures to prevent the entry into Canada of men or women to take positions for which qualified help is already available in this country.

Particulars of this phase of the work of the Service will be found on pages 14 and 15.

The industrial situation in Ontario during the past year has rendered difficult any marked advance in such specialized employment work as the placement of juvenile and handicapped workers. The importance of these problems has not been overlooked, and as Toronto is the centre where this work presents the most acute problems, it is interesting to note in extracts from the report of the Superintendent of the Toronto Office (pages 19-25), the manner in which the question is now being handled.

In the case of professional and business placement work, Toronto is also the logical centre in the Province for the extension of this highly specialized phase of employment activities. Continuous extension of the placement of men and women of a high degree of skill and training will be noted from year to year as the possibilities of the Service in this direction become more widely known to the parties directly concerned.

LIST OF ONTARIO OFFICES OF THE EMPLOYMENT SERVICE OF CANADA OCTOBER 31, 1922

Office	Address	Superintendent	Telephone No.
Belleville	19 Campbell St.	L. F. Green	887
Brantford	241 Colborne St.	T. Y. Thomson	361
Chatham	191 King St. W.	Geo. Wands	408
Cobalt	Wallace Block	W. C. Ferris	152 Temisk.
Fort William	300 Victoria Ave.	H. Boushear	S 2561
Guelph	170 Upper Wyndham St.	A. W. Taylor	1599
Hamilton	27-29 King William St.	W. J. Smith	Regent 1882, 4269
Kingston	22 Market St.	W. A. Stroud	1178
Kitchener	78 King St. E.	M. H. Phillips	1612
London	108 Dundas St.	J. C. Spencer	5295-6
Niagara Falls	Newport Block	H. P. Hanan	1221
North Bay	34 Oak St. W.	H. P. Charlton	1112
Oshawa	2 Felt Block	C. J. Wilcox	547
Ottawa	139 Queen St.	C. S. Ford	Q 3760
Pembroke	156 Mackay St.	C. R. Stewart	375
Peterboro	190 Charlotte St.	H. Robertson	571
Port Arthur	193 Park St.	F. Urry	176
Sarnia	217 N. Front St.	W. H. Lott	1154
Sault Ste. Marie	Courthouse Bldg.	F. Campbell	1063
St. Catharines	200 St. Paul St.	L. Cunningham	1269
St. Thomas	580 Talbot St.	W. J. Peacock	2001
Sudbury	13 Durham St.	E. H. Manor	359
Timmins	37½ Fourth Ave.	H. C. Garner	156
Toronto			
Men's section	45 Front St. W.	C. W. E. Meath	Adel. 4030
Women's section	46 Richmond St. W.	C. W. E. Meath	Main 3501
Windsor	26 Ferry St.	A. J. Cooper	2396

IMMIGRATION AND THE EMPLOYMENT SERVICE

An important phase of the duties of the Employment Service is the work in connection with matters pertaining to immigration. In order to ensure Canadian workers the first opportunity to qualify for vacancies anywhere in Canada, the Federal Department of Immigration and Colonization does not grant permission to workers—other than agricultural and domestic—to enter Canada until the Director of the Employment Service certifies that the required help is not available in this country.

When an employer asks the Department of Immigration for permission to bring a man or woman into Canada, to fill a position for which a qualified applicant does not appear to be available, he is referred to the nearest office of the Employment Service, where he fills out a form which furnishes the local superintendent with all the essential information in connection with the vacancy. The information thus obtained covers such points as special training required, hours worked per day and per week, rate of wages, over-time wage rates if any, local cost of board and lodging and advanced transportation.

With this information at his disposal the superintendent is able to state whether a fully qualified applicant is available locally. If not, the order is placed in the regular clearance channels, specially marked, however, as an importation request, which ensures its circulation in every office of the employment service from coast to coast. The urgency, or otherwise, of the case determines the length of time the order remains in circulation, so that the employer is protected against undue delay in obtaining the required help.

In cases where qualified workers in Great Britain are available for vacancies listed in this manner with the Employment Service of Canada, the transfer is effected through the co-operation of the national employment exchanges, where the employer so desires. In this connection, also, it is interesting to note that all offices of the Employment Service of Canada receive a periodical bulletin with particulars as to the number and type of specially qualified workers who have indicated in registering at the British national exmployment exchanges that they are willing to accept work in Canada. These lists are particularly valuable to employers in the textile and engineering trades.

During the year ending October 31, 1922, there were 199 "importation requests" filed with the Ontario offices of the Employment Service of Canada, and calling for a total of 784 workers. From the point of view of remuneration these orders were among the best received by the offices during the year. The following list of representative importation requests will serve to indicate the nature and importance of this phase of public employment activities in Ontario.

Occupation	Salary	
Advertisement writer	$80.00	per month
Chemical Engineer	350.00	" "
Chemist	200.00	" "
Chief electrical engineer	400.00	" "
Construction engineer	250.00	" "
Department store manager	120.00	" week
Electric dredge operator	225.00	" month
Electrical engineer	225.00	" "
Electro-Chemical engineer	300.00	" "
Machinery salesman	65.00	" week
Mechanical engineer	200.00	" month
Mechanical engineer	3000.00	" year
Planning Department engineer	300.00	" month
Production superintendent	50-60	" week
Sales supervisor	200.00	" month
Superintendent of construction	45.00	" week
Superintendent of glass factory	200.00	" month
Superintendent of pottery plant	5000.00	" year

The remaining positions did not have such high salaries attached to them, but they were practically all at rates which would be termed attractive. Although there was considerable unemployment in Canada at the time, the Employment Service had difficulty in securing workers with the requisite training and experience, and in many instances the requests for importation were granted.

STATISTICS

The general trend of the labour situation during the year is very largely revealed by a study of the two essential factors in the case, i.e., the number of applications for work, and the number of positions vacant from month to month throughout the year. The subject has been examined from these different angles, in the following paragraphs, together with a brief survey of the placement curve during the year.

Following the summary of the activities of the offices according to months (on page 17), a decrease in the number of applicants will be noticed for December. This is due largely to the fact that December covered a period of four weeks only and the November period, five weeks ending December 3. During January, 1922, applicants for work, numbered 19,283, of whom 6,639 men and 2,217 women registered in the Toronto offices.

The customary reduction in staffs after the Christmas rush and during the stock-taking period, accounts in part for this peak in the registration. Climatic conditions and the seasonal curtailment of out-door work had an equal share in swelling the number of applications. The inauguration of unemployment relief work in many municipalities, with the requirement of registration at the local government employment office, also brought many new applicants into the various offices.

In January, the vacancies offered by employers—including municipal authorities—totalled 12,077, or 7,206 less than the total number of applications. In the two preceding months, the excess of applications was 4,367 and 3,839.

During the month of February the vacancies offered, including extensive municipal relief operations, were 16,569, as compared with 11,972 applications.

In March the application curve swung upward to 19,019; the increase is composed largely of unexpected increases in the registrations in Toronto, Hamilton and Sudbury.

During April the reopening of outdoor activities resulted in a virtual balance of supply and demand, the applications totalling 14,966 and the vacancies 14,689. The following month showed 19,927 positions open, the high water mark for the entire year. Applications in this month also increased materially over April, which would indicate that the "customers" of the employment offices rely upon their accurate and impartial information regarding employment opportunities, even at times when work is relatively easy to obtain without the assistance of the offices.

June again shows applications and vacancies balanced with a total of 16,135 and 16,037 respectively. In July, 14,799 men and women registered in the 25 offices, and employers' orders called for 14,039. With Ontario harvests to be gathered, the demand reached 17,000 in August, with 16,085 registrations.

September and October brought orders for 17,312 and 16,888 workers, respectively; the supply in both months was approximately 1,000 less than the demand, so that the fiscal year closed with a very encouraging outlook, so far as employment in the fall and early winter months was concerned.

In all offices during the twelve months under consideration, there were 192,266 applications for work received, 180,967 vacancies reported and 143,011 positions filled. This fact indicates the extent to which the Employment Service has taken its legitimate place as the connecting link between work and workers.

EMPLOYMENT SERVICE OF CANADA SUMMARY OF THE ACTIVITIES OF THE ONTARIO OFFICES NOVEMBER 1, 1921 TO OCTOBER 31, 1922

Offices	Applications for work	Vacancies notified	Placements including Transfers		
			Regular	Casual	Totals
Belleville	1,763	1,942	1,225	468	1,693
Brantford	4,651	5,392	1,443	2,613	4,056
Chatham	3,517	3,486	2,762	329	3,091
Cobalt	2,710	2,806	2,138	156	2,294
Fort William	5,404	5,321	3,591	677	4,268
Guelph	2,286	2,223	1,049	273	1,322
Hamilton—Men	7,875	6,034	4,235	1,902	6,137
Hamilton—Women	6,758	6,277	1,086	4,267	5,353
Kingston	3,541	3,334	1,599	1,288	2,887
Kitchener	3,234	2,611	1,548	370	1,918
London—Men	6,735	6,357	3,059	2.958	6,017
London—Women	1,991	1,810	761	423	1,184
Niagara Falls	2,203	2,875	1,593	55	1,648
North Bay	4,380	5,601	3,891	171	4,062
Oshawa	2,630	2,442	1,348	272	1,620
Ottawa—Men	10,336	8,692	9,394	751	10,145
Ottawa—Women	2,673	3.098	872	832	1,704
Pembroke	1,200	1,384	1,139	16	1,155
Peterborough	2,085	2,473	1,631	86	1,717
Port Arthur	8,583	12,300	7,735	288	8,023
St. Catharines	3,745	4,126	2,263	374	2,637
St. Thomas	2,121	2,133	1,251	563	1,814
Sarnia	1,879	1,778	1,490	234	1,724
Sault Ste. Marie	6,944	5,166	2,935	649	3,584
Sudbury	5,462	7,213	5,397	65	5,462
Timmins	3,139	4,892	2,929	16	2,945
Toronto:					
Men's Industrial	42,940	30,838	15,550	8,725	24,275
" Farm	4,719	3,356	4,122	1	4,123
" Unskilled	3,392	2,442	3,273	10	3,283
Women's Industrial	3,429	2,319	1,272	41	1,313
" Clerical	4,814	2,128	1,357	313	1,670
" Domestic	18,951	22,370	2,800	11,646	14,446
" Farm	1,423	577	232	....	232
Windsor	5,753	5,171	3,318	1891	5,209
Totals	192,266	180,967	100,288	42,723	143,011

SUMMARY OF THE ACTIVITIES OF THE ONTARIO OFFICES OF THE EMPLOYMENT SERVICE OF CANADA, BY MONTHS NOVEMBER 1, 1921, TO OCTOBER 31, 1922

1921-22	Applications for work	Vacancies Notified	Placements including Transfers		
			Regular	Casual	Total
1921—November	16,904	12,537	6,396	2,815	9,211
December	12,050	8,211	4,402	2,701	7,103
1922—January	19,283	12,077	5,186	5,808	10,994
February	11,972	16,569	5,396	5,019	10,415
March	19,019	15,681	7,877	5,493	13,370
April	14,966	14,689	8,767	3,246	12,013
May	18,156	19,927	122,116	3,816	15,932
June	16,135	16,037	10,421	2,900	13,321
July	14,799	14,039	9,550	2,322	11,872
August	16,085	17,000	10,439	2,497	12,936
September	16,157	17,312	9,792	2,924	12,716
October	16,740	16,888	9,946	3,182	13,128
Totals	192,266	180,967	100,288	42,723	143,011

PLACEMENTS

A—Regular

Regular placements, in the phraseology of the Service, are those of two weeks' duration, or longer, as contrasted with casual placements on short-time jobs.

In November 1921, (including the first three days of December) there were 6,396 regular placements made by all offices. During the balance of December and in January the lowest points of the year were reached, as expected, with 4,402 and 5,186 placements respectively. In February, however, the pendulum commenced to swing upward, and for each month up to, and including, May, the placements exceeded those in the preceding period. The figures were: February, 5,396; March, 7,877; April, 8,767; and May, 12,116.

A slight falling off in the totals was noted in June and July, the figures being 10,439 and 9,550 respectively. This reduction was synchronous with the previously noted reduction in the number of applications.

It appears reasonable to believe that the offices are used slightly less during these two months on account of the comparative ease with which work can be found in Ontario.

It is not so easy, however, for a worker seeking farm employment to find work without some assistance such as that furnished by an employment service. The result was that August shows an increase, largely made up of farm placements, the total for the month being 10,439.

In October and November, the placements were 9,792 and 9,946 respectively. Extensive operations in the lumber woods created a demand for experienced bush workers which the offices were not able to satisfy.

B—Casual

Placing men and women in jobs which may only last from a few hours to a few days is an essential feature of the work of the Employment Service. The employer who wishes to secure a man to help unload a car of coal, for example, has as much right to expect the service to fill his requirements as if he had asked for assistance in securing a plant superintendent. At the same time, this casual work, as it is termed, is the smaller part of the placement work of the employment service as evidenced by the fact that less than thirty per cent. of the placements made during the year were of the casual type. This is all the more remarkable in view of the fact of industrial depression, during several months of the year under consideration, when the casual column was swelled by the placement of men on civic relief work in certain centres, and by the reponse in other places to appeals to householders to provide "odd jobs" for the benefit of the unemployed.

The "casual worker" who is often placed in these positions is worthy of special study, with a view to improving his industrial status.

As will be seen from the table on page 17, there were 42,723 casual placements made by all offices during the year; the highest number in any single month, 5,808, was in January, when the unemployment situation was acute.

EXTRACTS FROM REPRESENTATIVE LOCAL OFFICE REPORTS

The following extracts from the annual reports of local superintendents are reproduced as being representative of the utility of the Employment Service, both in times of industrial activity and trade depression, and also because they indicate the spirit of service, which has been so largely responsible for the results achieved in the comparatively short life of the public employment offices in Ontario. If space permitted, the reproduction in full of practically every annual report received from the various offices would serve further to emphasize the reasons why the service is so widely used both by employers and employees.

Cobalt

A large number of unemployed were on the labour market during the winter, and every possible means was taken to induce the municipality and others to promote work for them. Special meetings were arranged to which representatives of various organizations were invited. Plans to provide work were discussed, but the lack of funds, coupled with the severe winter weather precluded all possibility of any improvements being carried out by the municipality. Appeals in the form of circular letters were sent to all householders asking for casual jobs, and in response many jobs lasting from a few hours to a few days were secured, and men sent out to them on short notice.

Relief measures were adopted by the municipality to take care of those families who were in dire distress, and advantage was taken of the offer made by the Federal and Provincial Governments to share equally in the cost of relief. Great credit is due the relief committee for the judicious manner in which this important phase of the unemployment situation was handled. A considerable amount of money was raised and distributed in the form of food, fuel and clothing. This office co-operated fully with this committee and where cases of hardship were reported the necessary steps were taken to have their condition investigated.

There is being promoted between this office and the large majority of the employers of labour in the district, a splendid spirit of co-operation which is gradually making itself felt in the community. Employers are looking to the Employment Service with a keener sense of appreciation of the efforts being made on their behalf to supply them with the class and type of workers they desire. A glimpse at the office and bulletin boards will convince the most skeptical that the service rendered to workers is of great importance to them and is also appreciated to the fullest extent.

North Bay

During the winter the unemployment situation was rather acute, as the lumbering industry did not absorb as many men as usual, and other work was scarce. A considerable number of men were placed on the construction of the Interprovincial and James Bay Railway, thus relieving the situation to a great extent. With the coming of the spring employment conditions, however, rapidly improved, and since last April, plenty of work has been available. North Bay felt the improvement in conditions which took place all over Northern Ontario, insofar as employers looked to North Bay for a large supply of their labour. The railroad construction at Kipewa, Cochrane and Iroquois Falls, and railroad maintenance on the Canadian Pacific Railway, Canadian National Railway and the Temiskaming and Northern Ontario Railway supplied this office with a steady demand for men, which oftentimes it was impossible to meet from the local supply. The pulp and paper industry also engaged a large number of men through the North Bay office, while sawmills were active during the whole season. Highway, power house and power dam construction offered steady employment to a large number of men, both skilled and unskilled. The revival of industry in Northern Ontario was not only felt in North Bay, but a large number of workers were successfully transferred to employment in the north, from this and other offices situated in different parts of the Province.

With building construction taking an upward trend throughout the Province, the lumbering industry revived to pre-war activity and the latter part of July witnessed a considerable number of companies opening their camps. The call for bushmen increased daily from this time on, the requirements exceeding the supply. Plenty of work on construction with a daily wage appeared to be more attractive to applicants than the monthly wage of the lumber camp, and for several months it seemed that lumbering conditions would be curtailed this winter due to the shortage of labour. However, with construction work of a seasonal nature reaching completion, the situation in regard to labour supply for the lumber camps became more favourable in the early part of October. The North Bay office added from ten to fifteen new lumber companies to its list this season, the shortage of labour not being the only reason for this sudden attention, but a desire on the part of companies to locate an office capable of handling their requirements in an efficient manner.

The great value of the clearance system was amply demonstrated in the North this year, and although clearance activity was more confined to inter-northern office transfers, a large amount of effective work was accomplished, and a more efficient service provided. When the steel plant at the Soo closed down, and a large number of men were thrown out of employment, transfers were immediately arranged which enabled a great portion of these workers to secure employment on railroad construction at Kipewa or Cochrane. This is only one example, as effective clearance work was carried out on a large scale throughout the whole year. The zones of Timmins and Cobalt asked for a large number of workers, and through the district clearance office these requirements were satisfactorily filled, either from the North Bay, Sudbury or Sault Ste. Marie offices. The fact that this office can, if necessary, recruit men from an office in another centre has proven a great help in offering service to employers.

Ottawa

men's department

It is apparent that the Employment Service has taken its economic place in the eyes of the business world from the fact that the banks, telephone company and various business houses call upon the service to enquire as to the state of employment when compiling their reports. The newspapers call every week.

It may be considered a great stride forward that this office is regarded as an accurate register as to employment, despite the fact that it depends upon the goodwill of the general public to be so.

Ottawa

women's department

The volume of work done through the women's department of the Ottawa office has increased steadily since its inception in July, 1919. Many applications have been received from clerical workers, stenographers, typists, sales-clerks and bookkeepers, but there has not been a great demand for this class of worker. About 45 per cent. of these applicants are inexperienced, and many of the experienced girls have been thrown out of employment owing to the reduction in staff of some departments of the Government. Business has not been brisk in commercial offices, so there has been little opportunity of placing these girls elsewhere.

An improvement is noticeable as regards the much-discussed domestic problem, although it is still difficult to obtain well-trained help. Employers have resigned themselves to this fact, and have expressed their willingness to train a girl of the right type and have almost invariably been pleased with the result. Wages for experienced maids remain about the same as previously, housemaids receiving an average of $30.00 to $35.00 per month, although, as high as $40.00 to $45.00 is paid in a few homes. Cooks receive $35.00 to $45.00, cook-generals, $25.00 to $35.00, and mothers' help from $15.00 to $20.00 per month.

A great many girls who live at home have applied for non-resident work, but it has been difficult to find suitable work for them because the majority of employers wish to have resident help. During the winter months, many applications were received from women whose husbands were out of work, who could do daily work only, and often were available for only a few hours each day. A small percentage of the demand for domestics to go on the farm during the summer could be supplied. Some farmers were willing to engage a woman with a child, and it was therefore possible to make placements which otherwise would have been difficult.

Many orders were received during the summer months from summer homes and hotels. Waitresses and housemaids for hotels were more easily obtained than workers for private homes. Students and teachers were sent out as waitresses to hotels where previous experience was not essential.

Ottawa, like many capital cities, has few manufacturing establishments, and the majority of the operatives are French-Canadians who are good workers as a rule, and quick to learn. There are several factories where men's heavy clothing is made, and while these firms employ many operators, steady work cannot be guaranteed except to a few, as the orders are more or less irregular.

Since the administrative orders of the Minimum Wage Board have taken effect considerable improvement in wages and general conditions of employment has been noted in Ottawa and the vicinity.

Sarnia

There has been a decided increase in the demand for sailors through this office. This was due, partly, to more boats calling at this port than in the past few years and also to the strike of sailors on American boats. Most of the applicants at the Employment Service preferred the American boats as their scale of pay was more attractive. At times there was a scarcity of experienced firemen, coal passers, etc., but the office was successful in filling almost every order received. In some cases, this meant very quick work, as no notification of the vacancy would be given until the boats were about ready to sail.

As in previous years, there has been a shortage of domestic help. There is a slight demand at almost all times, but practically no experienced workers are available. The city is affected in this matter to a certain degree by being situated on the border, as the wages for these workers here do not compare favourably with those across the line.

TIMMINS

Of the two main industries in Northern Ontario, namely mining and lumbering, which includes pulp and paper products, mining has been the most progressive during the past year. Many properties which have been lying idle since the early days of the discovery of gold in Porcupine are re-opening, and active development has been going on to prove the properties up, in the way of extensive diamond drilling and shaft sinking, with very encouraging results in most cases, which will no doubt eventually mean many more producing mines with a corresponding increase in the size of their staffs. The largest producing mine in this district employs well over 2,000 men.

Lumbering has not been so active this past year, operations being confined chiefly in the woods to the cutting of pulpwood for the pulp and paper companies, of whom there are two operating at the present time, with another being made ready to turn out sulphite this winter. In this district, there is as large a mill as any on the continent, turning out hundreds of tons of paper a day, so that the consumption of pulpwood is enormous. Large numbers of men are sent from this office for work in the mills and in the bush every year, and the industry is one of the chief assets of the country.

Construction work has played a big part in the number of placements registered from this office, building in Timmins alone amounting to approximately one million dollars. Skilled labourers have been in great demand, and bricklayers and plasterers were very hard to get at times, the work apparently all starting about the same time in the various towns and cities. Wages for the former got as high as $1.25 per hour. Work on the new power plant for the Northern Canada Power Company at Sturgeon Falls, which is about thirty-five miles from Timmins, has also absorbed a large number of men this summer. It was during this time that this office appreciated the benefit of the clearance system, as a shortage of labour occurred in this district on several occasions, and work would have been held up for a time had it not been possible to secure workers from North Bay. This co-operation assists greatly in making for efficiency and means satisfaction for the companies with whom the office is doing business.

TORONTO

MEN'S HANDICAP SECTION

This section is one which requires the most careful and sympathetic treatment. Owing to so many fit men having been available for employment the handicapped worker has had a hard time of it, but the success of the section in spite of conditions has fully demonstrated the necessity for it, even if to give special care and treatment to these men. There are an increased number of civilians registering, who are suffering from disease and old age. Corresponding with this, there are an increasing number of employers who will not hire a new man over thirty-five years of age.

The growing custom of industries which requires a medical examination has shut out men who are physically unfit and there have been a number of calls for relief from this class of person who has to provide for his family in some way. Under-employment is increasing among the men classed as "sub-standard labour," men of delicate physical constitution, deficient in energy and adaptability, who are looking for a light job with no responsibility. About 72 per cent. of these men are married.

Chronic unemployment is also observed in mental cases, lung cases, rupture and old age. Nearly all jobs secured are of the casual type. All handicaps are desirous of securing permanent positions but find difficulty in retaining permanent work when secured for them, and thus return to the office to be replaced.

"Sub-standard labourers" soon become too well known for their own good in small towns and gradually move to the city where their condition is not so noticeable, or their identity is buried amongst numbers. This is also true of immigrants of an unsuitable type. These are some of the problems of this section. In a large office such as the Toronto Office, where registration is not restricted and where no fee is charged, it is necessary to have a special section for these handicapped men, where they may speak privately of their infirmities. Everything possible should be done to place them in employment, at least those who are employable, in order to encourage self-respect and independence among this class of applicant.

TORONTO

BOY'S SECTION

This section was opened in the fall if 1921, in order that boys who came to the Bureau and registered might not be thrown amongst the older men. The placements have increased month by month, showing the wisdom of specializing in this work. Proper classification is the main factor in dealing with boys as it is with men. The boys are classified into the following classes:

Messengers, young boys under 15 without experience.

Factory boys, from 16 to 18, with some actual experience in work.

Clerical, boys from 15 to 18 with schooling equal to senior fourth or better, with or without actual experience, but possessed of average intelligence.

Trade apprentices, boys 14 to 17, who express a desire to learn a trade, the desire being based on experience, training or inclination.

The above classification is not rigid either as to age or experience, each boy being observed individually and his wishes are always considered. Occasionally boys who are subnormal have registered in this section. They require greater care in placing and when possible are sent to jobs where they will be under supervision. With all the boys an effort is made by helpful guidance and sympathy to direct them to work which will be the means of making them useful citizens.

PORT ARTHUR

In the work of the Employment Service in Port Arthur, one is impressed with the number of young men with no industrial training, who become casual labourers on work at freight shed or railway maintenance and odd jobs. Physically they cannot compare with the Russian, Pole and Austrian in the hard manual labour of present day construction, and there are few opportunities in classes and training shops for them to learn a trade after leaving the public schools. This system does not produce good workmen, and accounts largely for the fact that so many importation requests are made yearly for skilled workers.

Classification of Vacancies:

The following classification of positions open will give an idea of the nature of employment offered in this city and district. The number analyzed was less than 70 per cent. of the total number received during the year.

Occupation	Number of Vacancies	Totals
Farming	26	
Gardening	4	
		30
Fishing	2	2
Logging—Winter Work.		
Skilled Workers, as blacksmiths, cooks, clerks, experts axemen and foremen	95	
Semi-skilled as cookees, handy men, etc.	126	
Piece Workers as pulp and cord wood cutters, log cutters, and skidders, and pulp wood loaders	1185	
Tie makers	95	
River drivers and dam builders	249	
Bushmen on monthly terms and board	1053	
		2803
Logging—Summer Country Mills.		
Skilled workers as edgermen, engineers, tail sawyers, filers, etc.	17	
Millmen	250	
		267
Mining.		
Skilled miners, tool sharpeners, etc.	14	
Semi-skilled	5	
Labourers	8	
		27
Shipbuilding and Engineering Firms.		
Skilled mechanics, 51 cents to 70 cents per hour	199	
Semi-skilled mechanics, 36 cents to 50 cents per hour	497	
Helpers, 30 cents to 35 cents per hour	347	
Labourers, 27 cents to 30 cents per hour	93	
Apprentices, 18 cents to 22½ cents per hour	11	
		1,147
Constructional Work.		
Skilled workers, carpenters, bricklayers, masons, etc., 70 cents to $1.25 per hour	128	
Semi-skilled, 45 cents to 55 cents per hour	87	
Labourers, 30 cents to 45 cents per hour	747	
Government road workers, including cooks, cookees, teamsters and labourers, $40.00 to $75.00 per month and labourers $2.00 per day and board	75	
		1,037
Railway Maintenance.		
Skilled workers, engineers, clerks, cooks, policemen	41	
Section men, Eastern Division	218	
Section men, Western Division	71	
Extra gang labourers, Eastern Division	1,298	
Extra gang labourers, Western Division	349	
		1,977
Long Shore Workers.		
Grain elevators	41	
Freight handlers	563	
		604
Marine Workers.		
Cooks, firemen, clerks	25	
Caulkers, carpenters and wheelsmen	11	
Deck hands and coal passers	36	
Pantry men	2	
Cabin boys	2	
Stewardess	1	
		77
Hydro-Electric Power.		
Skilled workers	11	
Semi-skilled	3	
Labourers	27	
		41
Service.		
Miscellaneous, including janitors, clerks, delivery men, etc.	29	
Hotel help	29	
Domestic service	13	
		71
Casual workers	328	
		328
Total orders analyzed		8,411

Niagara Falls

The following summary of the vacancies listed in the employment office at Niagara Falls, indicates the variety of demands made upon the offices in the smaller centres.

Statement of Vacancies by Occupation for Year Ending October 31, 1922

Auto painter	1
Butcher	1
Baker	2
Baker's assistant	3
Bus boy	1
Bartender	1
Bricklayer foreman	1
Bricklayers	33
Cooks (male)	13
Cookees	2
Cooks (female)	28
Car repairer	2
Caretakers (male)	2
Caretaker (female)	1
Chef	1
Charwoman	1
Cleaners	3
Collectors	3
Chemist	1
Cement mixerman	1
Construction engineer	1
Clerks	5
Carpenters	111
Doffers	8
Distributors	1
Die sinkers	5
Dish washers (male)	13
Drillers	4
Delivery drivers	1
Electricians	13
Electricians' helpers	6
Electric dredge operator	1
Election scrutineers	12
Fruit pickers (male)	160
Fruit pickers (female)	12
Fruit packers	2
Farm hands (male)	53
Furnace men	13
Game warden	1
Gardeners	9
General domestic	1
Housekeeper	3
Handymen	15
Handy boy	1
Hoist Runner	1
Janitor	2
Kitchen help (male)	7
Brought forward	562
Labourers	2,037
Linemen	2
Loom Fixers	1
Machinists	8
Machine hands	2
Maids	23
Mail clerks	4
Motorman	1
Millwright	1
News agent	1
Paper hanger	1
Painters	12
Plasterers	1
Purchasing agent	1
Pump man	1
Planer man	1
Pipe and boiler coverers	2
Porters	9
Quarrymen	7
Repairmen	5
Ring spinners	19
Riveters	3
Railway switch assemblers	8
Silver plater	1
Street foreman	1
Salesmen	9
Speeder tender	5
Stone cutters	3
Steam-shovel firemen	2
Stationary firemen	3
Steamshovel engineer	1
Steam fitter	1
Sandwichman	1
Twister tender	1
Teamsters	27
Truck driver	7
Watchmen	30
Waiters	23
Wine maker	1
Works manager	1
Weavers	8
Waitresses	17
Woodworkers	1
Yardmen	7
Clifton Hotel help	13
Total	2,875

THE EMPLOYMENT OFFICE AND UNEMPLOYMENT RELIEF MEASURES

In times of industrial depression public attention is centralized on the Employment Service as an important factor in the distribution of the unemployed on the special relief work commenced in order to deal with the situation. In connection with relief measures necessary in many municipalities during the winter of 1921 and 1922, the Ontario offices undertook the registration of those who were unemployed with a view to securing work for them. Failing to provide work for those applicants who were asking for assistance, the employment superintendent furnished them with a card stating that they had registered at the local employment office, but that work was not available. This card had then to be presented to the municipal authorities, who furnished the relief from an office provided for that purpose. The employment office served as a valuable check on unnecessary idleness but had no part in the distribution of relief.

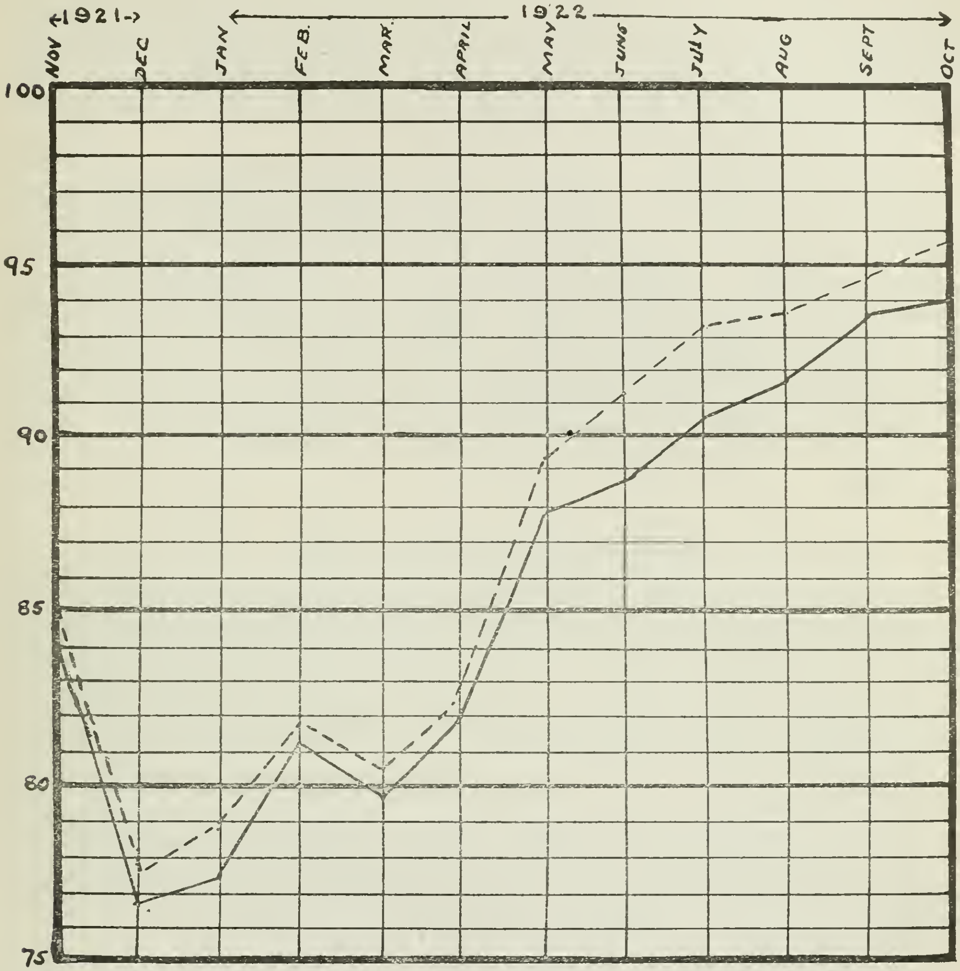
CONFERENCE OF ONTARIO EMPLOYMENT OFFICE SUPERINTENDENTS, OCTOBER 7, 1922

The first annual conference of Ontario Employment Office Superintendents was held in Toronto on October 7, 1922. Three days were spent in profitable interchange of ideas, and in discussion of the papers prepared by the various superintendents. The sessions were held in the Parliament Buildings, and were attended by members of the Toronto office staff; interested representatives of the employment departments of local industrial concerns were also present.

In the opening sessions of the conference, the Hon. Mr. Rollo offered a prize to the superintendent presenting the paper which contained the most useful information in connection with the administration of an employment office. This prize was won by Mr. C. W. E. Meath, superintendent of the Toronto Office.

A dinner session of the conference, held at a local hotel, was addressed by Mr. Wills Maclachlan, B.Sc., Prof. G. E. Jackson, Mr. F. L. Riggs and the General Superintendent. The Director of the Employment Service of Canada, Mr. R. A. Rigg, and the General Superintendent for Quebec, Mr. Jos. Ainey, attended the conference and made interesting contributions to the discussions.

The General Superintendent attended the annual convention of governmental labour officials in Harrisburg, Pa., May 24-27, and described the work of the Employment Service of Canada. Through the kindness of Mr. Bryce M. Stewart, who was at that time Director of the Employment Service of Canada, a set of lantern slides which graphically portrayed the organization and administration of the service was available, and appeared to interest greatly the delegates at the convention.



EMPLOYMENT INDEX NUMBERS, 1921-2

ONTARIO AND QUEBEC ————

ALL CANADA - - - - - - - - - -

THE PROVINCIAL EMPLOYMENT SERVICE COUNCIL

In accordance with the agreement between the Federal and Provincial Governments under The Employment Offices Co-ordination Act, the Provincial Employment Service Council was appointed by the Minister of Labour in August, 1922, and held its first meeting on August 31st. The membership of the council represents employers, employees and veteran interests, with a neutral chairman.

The personnel of the council is as follows:—

Chairman—Professor G. E. Jackson, University of Toronto; employers' representatives—Mr. Geo. Gander, Toronto Builders' Exchange; Mr. Wm. Shapley, C.M.A.; Mr. A. C. Manbert, Lumbermen's Association; Mr. Robt. Fitzpatrick, Retail Clothiers' Association; Mr. D. A. Cameron, Financial interests; employees' representatives—Capt. J. A. P. Haydon, M.C., editor, Canadian Congress Journal; Mr. John Doggett, Amalgamated Carpenters and Joiners; Mrs. Rose Hodgson, women in industry; Mr. Wm. Tite, Trades and Labour Council, London; veteran representatives, Dr. W. D. Sharpe, Brampton; Mr. Hugh McLeod, Toronto; agricultural interests—W. C. Good, M.P., Paris; ex-officio member, Mr. J. H. H. Ballantyne, Deputy Minister of Labour.

Mr. H. C. Hudson, General Superintendent, Ontario Offices, was appointed as secretary.

The Following are the Regulations Governing the Scope of the Activities of the Provincial Employment Service Council.

(*a*) To make recommendations to the Minister of Labour with regard to general policy of the Employment Service of Canada within Ontario in such matters as the number and type of offices to be established, the location, premises and equipment of such offices, zoning of the Province, the collection of information and statistics, publicity and generally to promote efficiency in the Employment Service.

(*b*) To advise on the bringing into or sending out of the Province by the Provincial Employment Service of any considerable body of labour and the co-ordination of departmental activities towards this end.

(*c*) To promote the co-operation of organizations of employers and employees in the use of the Employment Service.

(*d*) To recommend the conditions under which travelling expenses may be advanced to persons securing employment through the Ontario offices of the Employment Service of Canada.

(*e*) To enquire into, consider, devise and report upon methods and plans for preventing and alleviating unemployment in the Province, and for the absorption of unemployed workers, and to enlist the co-operation of employers and employees, the Provincial and municipal authorities and other interested persons and organizations in the promotion of such plans.

(*f*) Subject to the approval of the Minister of Labour to frame such by-laws as may be necessary to effectively carry on the work of the council; to prescribe the powers and duties of local advisory councils and to collaborate with the Employment Service Council of Canada in matters herein outlined.

EMPLOYMENT AGENCIES ACT

The number of private employment agencies licensed and operating under this Act is thirteen, which is a reduction of two as compared with the previous year. These two agencies were closed voluntarily by the license holders and were located in Mattawa and Port Arthur. Seven agencies are located in Toronto, two in Sudbury, two in North Bay, one in Fort William and one in Ottawa.

Three agencies located in Toronto limit their activities almost entirely to placement of nurses and other classes of female help and all others make placements associated with building, construction, farming, lumber, metal, mining, transportation, hotel and domestic service occupations.

The number of persons placed in employment by these agencies during 1921-22 November to October inclusive, was 32,286. About 77 per cent. of these placements were construction men, labourers and bushmen, sent out in gangs; 17 per cent. were domestics, charwomen, camp and hotel help; 4 per cent. were carpenters, mechanics, teamsters and farm help and 2 per cent. were nurses. Much of the work was of a casual nature.

LIST OF PRIVATE EMPLOYMENT AGENCIES, 1922-23.

R. C. Wood—The R. C. Wood Employment Agency, 190 King St. W., Toronto.
R. Verity—Verity's Employment & Steamship Agency, 169 Simcoe Street, Toronto.
H. A. Lay—The Metropolitan Employment Agency, room 40 Yonge Street Arcade, Toronto.
Miss E. M. McMullen—233 Robert Street, Toronto.
G. C. Burnham—Central Employment Bureau, 184 York Street, Toronto.
Miss A. Geldard—Grove Nurses Registry, 159 Madison Avenue, Toronto.
Misses Buckingham & Boyle—158 Cumberland Street, Toronto.
J. T. Reid—International Employment Office, 104 Simpson Street, Fort William, Ont.
J. E. Weller—The Dominion Employment Agency, Oak Street, North Bay, Ont., P.O. Box 353.
P. Wright—160 Canal Street, Ottawa, Ont.
Basilio Ferro—Canadian Employment & Steamship Agency, Oak Street, North Bay, Ont.
A. E. Woods—A. Woods & Co., Employment Agency, Sudbury, Ont.
A. St. Denis—The Reliance Employment Agency, Durham Street, Sudbury, Ont., P.O. Box 654.

UNEMPLOYMENT

ADVISORY COMMITTEE ON UNEMPLOYMENT

The Advisory Committee on Unemployment was appointed by the Ontario Government in the summer of 1921. The chief duty of this committee was to gather information from all possible sources throughout the Province on matters pertaining to unemployment and to make recommendations to the Government. In order to stimulate industry, an advertising campaign was launched bringing the work of the committee to the attention of the public, and appealing to the people of the Province to co-operate in an endeavour to bring business conditions back to normal. In order to accomplish this, 489 advertisements were inserted in 53 different newspapers throughout the Province. Later a direct appeal to the manufacturers, retailers, builders and contractors was made by means of 24,500 circular letters, and over 15,000 show cards for retail shop window display were circulated. A pamphlet was prepared giving valuable statistical information about Canada, Canadian industries and trade, and 20,000 of these were distributed throughout the Province. As a part of the campaign, 175 public meetings were held under the auspices of responsible bodies and addressed by 263 prominent men. In this part of the work, the committee received valuable assistance from members of the legislature who undertook the responsibility of meetings held in their constituencies. The interest of the public was aroused and a great deal accomplished in providing work for many of the otherwise unemployed.

The Advisory Committee on Unemployment undertook to lay before the Ontario Cabinet for their approval, a definition of relief work. In this way, it was made clear to all municipalities what assistance they might expect from the Provincial Government under the Order-in-Council stating that the Provincial Government would assist in creating employment by agreeing to pay one-third of the difference between the estimated normal and actual cost of relief work undertaken by municipalities and as approved by the Government engineers.

Later when the unemployment situation became more acute and various municipalities had sent deputations to the government urging that relief be granted in order to prevent further hardship, the committee approved of the Government participating in such schemes of relief as might be deemed necessary in meeting the situation.

The members of the Advisory Committee on Unemployment served without remuneration. Their names are as follows:

Hon. E. C. Drury, Prime Minister, chairman; Hon. W. R. Rollo, Minister of Labour; Hon. D. Carmichael, veterans' interests; Jas. H. H. Ballantyne, Deputy Minister of Labour; Donald A. Cameron, Financial interests; Charles Marriott, Toronto Board of Trade; R. F. Fitzpatrick, Retail Merchants' Association; George Gander, Building and Construction Industry; John W. Doggett, Labour Interests; Hugh MacDonald, Canadian Manufacturers' Association; W. C. Good, agricultural interests.

The total expenditure of the committee for advertising, travelling expenses, speakers, etc., amounted to $27,107.23.

UNEMPLOYMENT RELIEF DISBURSED BY ONTARIO MUNICIPALITIES DURING THE WINTER SEASON 1921-1222

Towards the end of 1921 the unemployment situation throughout the Province became acute, and approached in intensity the conditions experienced during the previous year. Representatives of municipalities including Toronto, Hamilton, Brantford, St. Catharines, etc., met the Premier, Hon. E. C. Drury, and members of his Cabinet, and outlined unemployment conditions in their respective municipalities. The Government decided to co-operate with the municipalities under the terms and conditions laid down by Federal Orders-in-Council Nos. 4,871 and 191 dealing with these matters.

An Order-in-Council was approved under date of December 13, 1921, whereby the Ontario Government undertook to participate in the cost of work provided by municipalities to relieve unemployment. Such expenditures had to be upon useful municipal works, that would not have been incurred by the municipalities except for the unemployment situation, and the Ontario Government undertook to pay one-third of the excess cost over normal cost of these undertakings. This had the effect of inducing municipalities whose borrowing powers were not seriously impaired to undertake as much work as possible in order that provision would be made for their unemployed citizens.

Under date of January 25, 1922, an Order-in-Council was approved whereby the Ontario Government undertook to participate in the cost of measures undertaken by municipalities for the relief of those unemployed. Regulations were approved whereby families in necessitous circumstances due solely to unemployment would be provided with food, fuel, boots, shoes and underclothing. In the case of single persons who were not ex-service men, the kind of relief given was determined by the municipalities, but the providing of lodgings or giving of cash doles was prohibited. Municipalities were permitted to make provision for lodgings in the case of single ex-service men only.

Most of the municipalities had an unemployment relief system in operation previous to their representatives approaching the Government, and it was impracticable to have all municipalities distribute relief under a uniform system during the whole of the relief period. As a result the figures given for the number of persons who received relief are only approximately correct.

It became incumbent on the municipalities to use the relief certificates which were issued by the Department of Labour on and after the 1st day of February, 1922. The financial statement on relief measures disbursed by the municipalities during the whole of the relief period beginning December 13, 1921, and ending April 30, 1922, is partly covered by these certificates and supplemented by sworn statements of expenditures for the period not covered by the certificates.

Fifty-six municipalities participated in the relief scheme. These municipalities were as follows:

Barton; Belleville; Blind River; Brantford; Brantford Township; Brockville; Chippawa; Cobalt; Collingwood; Crowland; Delhi; Dundas; Dunnville; Etobicoke; Ford City; Fort William; Grantham; Hamilton; Kingston; London; Midland; Mimico; Montague; Nepean; New Toronto; Niagara Township; Niagara Falls; North Bay; Orillia; Oshawa; Ottawa; Owen Sound; Paris; Penetanguishene; Peterboro; Port Arthur; Port Colborne; Port Dalhousie; Renfrew; Sarnia; Sault Ste. Marie; Scarboro; Stamford; Stratford; Sudbury; St. Catharines; St. Mary's; Thorold; Toronto; Trenton; Walkerville; Welland; Westminster; Windsor; Woodstock; York Township.

The list indicates that relief measures were faily well distributed throughout the Province.

A necessary condition for an applicant securing relief was in the first instance to register for work at the Government employment office, where same was established, and provided no work was obtainable, a card was given to the applicant, which entitled him or her to receive relief. The necessity for relief was further investigated by the municipal authorities.

The employment service offices proved an exceedingly valuable agency in controlling the number of applicants for relief. Where work was available, no relief was necessary. In some cases work and relief were distributed alternately.

The total cost to municipalities for relief disbursements as accepted by the Ontario Government amounted to $740,056.45. Under the terms of the various Orders-in-Council, the cost to the Ontario Government totalled $233,235.72. Approximately 23,873 married persons received relief. 16,605 were classified as civilians and 7,268 as ex-service men. The number of dependents of married civilians was 62,130, and the dependents of the ex-service men totalled 25,148. Single civilians numbered 4,590, and single ex-service men totalled 4,698, making an aggregate of 9,288. The total amount expended for relief of married civilians and dependents was $129,830.33, and for ex-service men and dependents, $82,489.07. A total of $212,319.40 was expended for the relief of married applicants. $6,035.42 was expended for the relief of single civilians, and $14,880.91 on single ex-service men. A total of $20,916.32 was expended for the relief of single persons. The average cost to the Ontario Government for the whole of the relief period (December 13-21 to April 30-22) was $7.82 for the civilian married man's family, $11.35 for the ex-service man's family, $1.32 per single civilian, and $3.16 per single ex-service man. The total number of persons benefited was 116,631, and the average cost to the Ontario Government per person benefited was $2.00.

The month of February is the time when the largest volume of unemployment prevailed, as the value of relief disbursed by the municipalities was greatest during this period.

Efforts of the municipalities in supplying relief were largely supplemented by the activities of organizations such as Rotary, Kiwanis and similar clubs. A good deal of assistance was given by such organizations and private persons, their donations including cash, boots, shoes and underclothing. In the city of Kingston, 45.87 per cent. of the total municipal expenditure for unemployment relief was subscribed through the efforts of the Kiwanis club, and in the Town of Welland, 33.12 per cent. of the civilian expenditure, and 72.92 per cent. of the ex-service expenditure for unemployment relief was subscribed by public spirited citizens.

The amount of relief given to families and single persons based on the averages given is not excessive nor calculated to encourage any person, married or single, to remain in idleness. Its chief benefit was in the prevention of acute destitution among deserving citizens. The following is a complete statement showing the disbursements made by each municipality.

Municipality	Class	Cost to Ontario Government		Total	Average cost to Ontario Government per applicant				Grand total of applicants		Single		Total number of persons benefited
		S.	M.		M.	S.	Civilian M.	Civilian D.	Ex-Service M.	Ex-Service D.	Civil S.	Ex-S. S.	
Barton	Civilian		$311 00		$3 88		80	325					
	Ex. Ser.		6 25	$317 25	63				10	26			441
Belleville	Civilian	$123 35	2,955 09		4 55	3 33	649	2,154			37		
	Ex. Ser.	2 00	6 76	3,087 20	1 35	2 00			5	16		1	2,862
Blind River	Civilian		76 65	76 65	10 95		7	24					31
Brantford	Civilian	800 00	10,457 52		14 50	13 33	721	2,364			60		
	Ex. Ser.	200 00	502 32	11,959 84	3 89	10 00			129	375		20	3,669
Brantford Township	Civilian		563 78	563 78	11 05		51						51
Brockville	Civilian		569 55		7 70		74	203					
	Ex.-Ser.		79 86	649 41	4 20				19	52			348
Chippawa	Civilian		29 51		14 76		2	5					
	Ex.-Ser.		8 16	37 67	8 16				1	1			9
Cobalt	Civilian	6 46	220 09	226 55	16 93	92	13	44			7		64
Collingwood	Civilian		703 12		9 25		76	222					
	Ex.-Ser.		103 41	806 53	6 08				17	57			372
Crowland	Civilian		1,093 16		4 69		233						
	Ex.-Ser.	7 00	11 37	1,111 53	5 69	7 00			2	4		1	240
Delhi	Ex.-Ser.		9 99	9 99	9 99				1	3			4
Dundas	Civilian		428 67	428 67	7 39		58	174					232
Dunnville	Civilian	2 00	141 02		17 63	2 00	8	33			1		
	Ex.-Ser.	28 25	150 50	321 77	10 03	14 13			15	44		2	103
Etobicoke	Civilian	34 67	2,123 78	2,158 45	23 33	8 67	91	332			4		427

Municipality	Class	Cost to Ontario Government		Total	Average Cost to Ontario Government per applicant		Civilian		Grand total of applicants		Single		Total number of persons benefited
		S.	M.		M.	S.	M.	D.	Ex-Service M.	Ex-Service D.	Civ. S.	Ex.-Ser. S.	
Ford City	Civilian		296 06		4 56		65						
	Ex.-Ser.	1 00	75	297 81	75	50			1			2	68
Fort William	Civilian	116 89	566 84		4 85	2 05	117	732			57		
	Ex.-Ser.	182 44	345 40	1,211 57	5 39	1 07			64	128		170	1,268
Grantham	Civilian		88 02	88 02	2 38		37						37
Hamilton	Civilian	152 29	50,846 54		12 27	1 02	4,102	13,667			150		
	Ex.-Ser.	293 54	14,745 55	66,037 92	9 97	83			1,479	3,952		350	23,700
Kingston	Civilian		2,059 78		7 20		286	987					
	Ex.-Ser.		507 68	2,567 46	5 02				101	285			1,659
London	Ex.-Ser.	134 52	1,221 66	1,356 18	6 36	3 45			192	623		39	854
Midland	Civilian		320 24	320 24	8 21		39	221					260
Mimico	Civilian		118 87	118 87	4 10		29	82					111
Montague	Civilian	4 55	81 49	86 04	6·79	4 55	12	51			1		64
Nepean	Civilian		406 21	406 21	6 25		65	354					419
New Toronto	Civilian		93 55		1 40		67	178					
	Ex.-Ser.	2 00	46 71	142 26	1 80	2.00			26	106		1	378
Niagara Township	Civilian		13 25	13 25	13 25		1	7					8
Niagara Falls	Civilian	270 85	1,039 12		4 52	2.35	230	622			115		
	Ex.-Ser.	217 76	265 56	1,793 29	3 24	2 72			82	156		80	1,285
North Bay	Civilian		203 36	203 36	16 95		12	43					55
Orillia	Civilian	12 51	239 71		5 84	78	41	184			16		
	Ex.-Ser.	1 59	107 31	361 12	4 47	1 59			24	76		1	342

Oshawa	Civilian		414 37				81	323			5		
	Ex.-Ser.		84 91	499 28					16	52			477
Ottawa	Civilian	992 50	17,884 53		16 01	1 24	1,114	5,570			640		
	Ex.-Ser.	734 91	2,169 70	21,781 64	6 21	1 15			349	1,745		800	10,218
Owen Sound	Civilian		466 12		4 71		99	213					
	Ex.-Ser.	18 56	151 64	636 32	4 89	6 19			31	78		2	423
Paris	Civilian		293 08		4 65		63	173					
	Ex.-Ser.		46 03	339 11	3 29				14	37			287
Penetanguishene	Civilian		75 64	75 64	9 46		8	44					52
Peterborough	Civilian		2,689 16		7 23		372	1,254					
	Ex-Ser.	249 82	1,399 28	4,338 26	5 03	4 23			278	739		59	2,702
Port Arthur	Civilian	1,117 13	1,094 27		16 09	89	68	120			125		
	Ex.-Ser.		134 85	2,346 25	7 93				17	22			352
Port Colborne	Civilian		222 58	222 58	5 05		44	139			16		199
Port Dalhousie	Civilian		100 78		10 08		10						
	Ex-Ser.		9 09	109 87	3 03				3				13
Renfrew	Civilian		619 28	619 28	15 48		40						40
Sarnia	Civilian		393 63		2 75		143	440					
	Ex-Ser.	38 81	93 40	525 84	3 22	3 88			29	89		10	711
Sault Ste. Marie	Civilian	121 34	858 32		11 92	5 06	72	282			24		
	Ex-Ser.	63 84	102 00	1,145 50	7 85	3 14			13	38		20	449
Scarborough	Civilian		108 04		3 86		28	81					
	Ex-Ser.		38 50	146 54	3 21				12	34			155
Stamford	Civilian	73 10	572 29		5 30	1 70	106	447			43		
	Ex.-Ser.	21 67	64 58	731 64	3 80	2 41			17	58		9	680
Stratford	Civilian		240 50	240 50	5 59		43						43
Sudbury	Civilian	77 08	825 27		1 48		556	2,776			1,771		
	Ex-Ser.	85 22	232 29	1,219 86	1 02				228	898		1,249	7,478

Municipality	Class	Cost to Ontario Government		Total	Average cost to Ontario Government per applicant				Grand totals of applicants		Single		Total number of persons benefited
		S.	M.		M.	S.	Civilian M.	Civilian D.	Ex-Service M.	Ex-Service D.	Civ. S.	Ex-Ser. S.	
St. Catharines	Civilian	$55 71	$3,335 89	....	$5 23	$3 48	638	2,192	......	......	16	......	
	Ex-Ser.	111 05	604 54	4,107 19	1 68	11 10	......	......	359	994	......	10	4,209
St. Mary's	Civilian	....	45 77	45 77	2 69	......	17	50	......	......	......	......	67
Thorold	Civilian	....	150 08	....	16 67	......	9	34	......	......	......	......	
	Ex-Ser.	....	36 35	186 43	12 12	......	......	......	3	7	......	......	53
Toronto	Civilian	2,048 15	45,950 57	....	10 47	1 28	4,388	17,552	......	......	1,597	......	
	Ex-Ser.	12,431 83	27,506 11	87,936 66	8 69	6 80	......	......	3,165	12,660	......	1,828	41,190
Trenton	Civilian	7 52	262 62	....	4 95	3 76	53	169	......	......	2	......	
	Ex-Ser.	....	135 76	405 90	8 50	......	......	......	16	74	......	......	314
Walkerville	Civilian	9 68	....	....	......	4 84	......	......	......	......	2	......	
	Ex-Ser.	4 50	....	14 18	......	2 25	......	......	......	......	......	2	4
Welland	Civilian	....	1,519 56	....	3 70	......	410	......	......	......	......	......	
	Ex-Ser.	33 85	73 27	1,626 68	1 38	1 02	......	......	40	......	......	33	483
Westminster	Civilian	7 00	268 44	....	6 39	7 00	42	147	......	......	1	......	
	Ex-Ser.	3 75	176 91	456 10	4 02	3 75	......	......	44	145	......	1	380
Windsor	Civilian	....	312 07	312 07	3 28	......	95	2 67	......	......	......	......	362
Woodstock	Civilian	....	122 66	....	2 44	......	51	63	......	......	......	......	
	Ex-Ser.	....	194 98	317 64	3 09	......	......	......	63	180	......	......	357
York Township	Civilian	2 63	4,669 16	....	......	2 63	889	3,288	......	......	......	......	
	Ex-Ser.	13 00	1,405 48	6,090 27	3 49	1 63	......	......	403	1,394	......	8	5,982
Grand Total	....	20,916 32	212,319 57	233,235 89	......	......	16,605	62,130	7,268	25,148	4,590	4,698	116,631

STATIONARY AND HOISTING ENGINEERS

Chairman of the Board: J. M. Brown
Members of the Board: G. W. Porter
W. J. Scott

"A"

Number of Stationary Engineers' certificates granted for the fiscal year ending October 31st, 1922		11,486
Made up as follows:		
Candidates who qualified by fourth-class examination	989	
Candidates who qualified by fourth-class examination (fees deposited previous to year 1922)	249	
Candidates who qualified by fourth-class re-examination	7	
Candidates who qualified by fourth-class re-examination (fees deposited previous to year 1922)	8	
Candidates who qualified by third-class examination	158	
Candidates who qualified by third-class examination (fees deposited previous to year 1922)	15	
Candidates who qualified by third-class re-examination	19	
Candidates who qualified by third-class re-examination (fees deposited previous to year 1922)	6	
Candidates who qualified by second-class examination	48	
Candidates who qualified by second-class re-examination	8	
Candidates who qualified by second-class re-examination (fees deposited previous to year 1922)	2	
Candidates who qualified by first-class examination	16	
Candidates who qualified by first-class examination (fees deposited previous to year 1922)	2	
Candidates who qualified by first-class re-examination	3	
Engineers who qualified for fourth-class provisional certificate	10	
Engineers who qualified for third-class provisional certificate	4	
Engineers who qualified for second-class provisional certificate	2	
Engineers who renewed fourth-class certificates at one dollar	1,439	
Engineers who renewed third-class certificates at one dollar	4,908	
Engineers who renewed second-class certificates at one dollar	3,396	
Engineers who renewed first-class certificates at one dollar	69	
Engineers who renewed fourth-class certificates at five dollars	26	
Engineers who renewed third-class certificates at five dollars	92	
Engineers who renewed second-class certificates at five dollars	10	
Total		11,486

Number of Hoisting and Portable Engineers' certificates granted for the fiscal year ending October 31st, 1922		2,426
Made up as follows:		
Candidates who qualified by hoisting examination	133	
Candidates who qualified by hoisting examination (fees deposited previous to year 1922)	34	
Candidates who qualified by hoisting re-examination	2	
Candidates who qualified by portable examination	241	
Candidates who qualified by portable examination (fees deposited previous to year 1922)	19	
Candidates who qualified by portable re-examination	7	
Candidates who qualified by portable re-examination (fees deposited previous to year 1922)	7	
Engineers who qualified for provisional hoisting certificate	4	
Engineers who qualified for provisional portable certificate	1	
Engineers who renewed hoisting and portable certificates at one dollar	1,951	
Engineers who renewed hoisting and portable certificates at five dollars	27	
Total		2,426

"B"

Total number of applications for certificates refused during the fiscal year ending October 31st, 1922		308
Made up as follows:		
Fourth-class Stationary Engineers' certificates	81	
Third-class Stationary Engineers' certificates	108	
Second-class Stationary Engineers' certificates	30	
First-class Stationary Engineers' certificates	15	
Hoisting Engineers' certificates	37	
Portable Engineers' certificates	37	
Total		308

Causes for refusal: Low percentage in examinations.

"C"

During the fiscal year ending October 31st, 1922, there were no certificates revoked, cancelled, nor suspended.

"D"

Amount of Stationary Engineers' fees deposited with the Treasury of Ontario during the fiscal year ending October 31st, 1922 (including plant owners' registration fees):

November, 1921	$5,801 15	
December, 1921	3,583 80	
January, 1922	1,872 40	
February, 1922	1,340 43	
March, 1922	970 00	
April, 1922	677 15	
May, 1922	1,018 00	
June, 1922	685 00	
July, 1922	469 00	
August, 1922	532 10	
September, 1922	682 15	
October, 1922	530 00	
	$18,161 18	
Less Stationary Engineers' fees transferred to Hoisting Engineers' fees (see transfer folio 501 Stationary Engineers' cash book 1921-2)	97 25	
	$ 18,063 93	
Plus Hoisting Engineers' fees transferred to Stationary Engineers' fees (see transfer folio 499 Hoisting Engineers' cash book)	41 00	
	$ 18,104 93	
Less cheque returned from Treasury of Ontario marked "no funds" (see folio 117 Stationary Engineers' cash book)	1 00	
Net total		$18,103 93

Made up as follows:

1,375	fourth-class examination fees, at $3.00	$4,125 00
7	fourth-class re-examination fees, at $1	7 00
365	third-class examination fees, at $5	1,825 00
19	third-class re-examination fees, at $3	57 00
1	balance of third-class examination fee, at $5	3 00
85	second-class examination fees, at $7	595 00
8	second-class re-examination fees, at $5	40 00
1	balance of second-class examination fee, at $7	1 00
35	first-class examination fees, at $10	350 00
3	first-class re-examination fees, at $7	21 00
1	balance of first-class examination fee, at $10	2 00
3	fourth-class duplicate certificate fees, at $1	3 00
6	third-class duplicate certificate fees, at $1	6 00
2	second-class duplicate certificate fees, at $1	2 00
9	fourth-class provisional certificate fees, at $5	45 00
1	balance of fourth-class provisional certificate fee, at $5	2 00
4	third-class provisional certificate fees, at $5	20 00
2	second-class provisional certificate fees, at $5	10 00

1,439	fourth-class renewal fees, at $1	1,439 00	
4	fourth-class renewal fees, at $1., (credits for year 1923)	4 00	
26	fourth-class renewal fees, at $5	130 00	
1	balance of fourth-class renewal fee, at $5	4 00	
4,908	third-class renewal fees, at $1	4,908 00	
13	third-class renewal fees, at $1, (credits for year 1923)	13 00	
92	third-class renewal fees, at $5	460 00	
2	third-class renewal fees, at $5, (credits for year 1923)	10 00	
4	third-class renewal fees, at $1, (certificates issued in year 1921, fees deposited in year 1922)	4 00	
1	balance of third-class renewal fee, at $5, (credit for the year 1923)	2 00	
3,395	second-class renewal fees, at $1	3,395 00	
3	second-class renewal fees, at $1, (credits for the year 1923)	3 00	
3	second-class renewal fees, at $1, (certificates issued in year 1921, fees deposited in year 1922	3 00	
10	second-class renewal fees, at $5	50 00	
1	balance of second-class renewal fee, at $5	4 00	
69	first-class renewal fees, at $2	138 00	
390	plant owners' registration certificate fees, at $1	390 00	
1	plant owners' registration certificate fee (certificate issued for year 1921, fee deposited in year 1922), at $1	1 00	
	Total amount of miscellaneous fees	29 25	
	Amount of surplus cash remitted with fees during the year 1922	2 68	
	Total		$18,103 93

Amount of Hoisting and Portable Engineers' fees deposited during the fiscal year ending October 31st, 1922:

November, 1921	$1,682 15	
December, 1921	292 00	
January, 1922	185 00	
February, 1922	388 00	
March, 1922	351 00	
April, 1922	291 00	
May, 1922	437 00	
June, 1922	261 00	
July, 1922	248 00	
August, 1922	171 00	
September, 1922	249 00	
October, 1922	124 00	
	$4,679 15	
Less Hoisting Engineers' fees transferred to Stationary Engineers' fees (see transfer folio 499 Hoisting cash book)	41 00	
	$4,638 15	
Plus Stationary Engineers' fees transferred to Hoisting Engineers' fees (see transfer folio 501 Stationary cash book 1921-22)	97 25	
Net total		$4,735 40

Made up as follows:

1,947	hoisting and portable renewal fees, at $1	$1,947 00
4	hoisting and portable renewal fees, at $1, (credits for the year 1923)	4 00
4	hoisting renewal fees, at $1, (certificates issued for year 1921, fees deposited in year 1922)	4 00
27	hoisting and portable renewal fees, at $5	135 00
1	hoisting renewal fee, at $5, (certificate issued for year 1921, fee deposited in year 1922)	5 00
210	hoisting examination fees, at $5	1,050 00
6	hoisting examination fees, at $2, (candidate being a holder of a Portable Engineers' certificate)	12 00
2	hoisting re-examination fees, at $3	6 00
1	balance of hoisting examination fee, at $5	2 00
286	portable examination fees, at $5	1,430 00
38	portable examination fees, at $2, (candidate being a holder of a Hoisting Engineers' certificate	76 00
7	portable re-examination fees, at $3	21 00
1	balance of portable examination fee, at $5	4 00
4	provisional Hoisting Engineers' certificate fees, at $5	20 00

1 provisional Hoisting Engineer's certificate fee (certificate issued for year 1921, fee deposited in year 1922), at $5	5 00	
1 provisional Portable Engineer's certificate fee, at $5	5 00	
1 balance of provisional Portable Engineer's certificate fee, at $5	1 00	
5 duplicate Hoisting Engineers' certificates fees, at $1	5 00	
3 duplicate Portable Engineer's certificate fees, at $1	3 00	
Amount of surplus cash remitted with fees during the year 1922	40	
Total		$4,735 40
Total amount of moneys deposited		$22,964 33

Made up as follows:

Stationary Engineers' fees, (including plant owners' registration certificate fees)	$18,103 93	
Hoisting and Portable Engineers' fees	4,735 40	
Total amount of fines collected by prosecutions in court re violations of The Stationary and Hoisting Engineers' Act	125 00	
Grand total		$22,964 33

"E"

Number of stationary steam plants registered during the fiscal year ending October 31st, 1922	390

"F"

Amount of plant owners' registration certificate fees deposited during the fiscal year ending October 31st, 1922. (Including one fee at one dollar, registration certificate granted in year 1921)	391

"G"

Number of candidates for examination examined by the Board of Examiners during the fiscal year ending October 31st, 1922	1,968

Made up as follows:

Fourth-class stationary engineers	1,094	
Third-class stationary engineers	276	
Second-class stationary engineers	78	
First-class stationary engineers	33	
Total		1,481
Hoisting engineers	187	
Portable engineers	300	
Total		487
Grand total		1,968

INSPECTION OF FACTORIES, SHOPS AND OFFICE BUILDINGS

Chief Inspector; JAMES T. BURKE
Office, Spadina House, Spadina Crescent, Toronto.

The following report of the Factory Inspection Branch for the year 1922 shows a greater volume of work accomplished by the branch than in any former year.

TABLE NO. 1.

	Year 1921	Year 1922
Total Inspections	14,349	18,528
1st "	8,713	11,320
2nd " or revisits	5,636	7,208

Included in these are investigations of accidents and complaints.

Employees in above industries, mercantile establishments and office buildings numbered 235,486.

TABLE NO. 2

Year	Males over 16	Males 14-16	Females over 18	Females 14-18	Children under 14	Total
1921	162,275	1,651	69,740	4,775	31	238,472
1922	163,888	792	68,620	2,186	29	235,515

Orders issued relating to the various requirements of the Act totalled in the year 1921, 7,254; in 1922, 10,115.

PERMITS

There was a slight increase in the number of applications for overtime permits, which were granted as follows:

TABLE NO. 3

Year	Regular Sec. 34	Bakeshops Sec. 70	Total
1921	96	96	192
1922	192	20	212

Applications for permits under section 52, contract clothing, were received and issued during the year 1922, numbered 746.

PROSECUTIONS

Prosecutions were instituted in 7 cases for failure to comply with orders issued as follows:—

To keep toilet and premises in a sanitary condition	1	case
Erect fire escape	2	"
Failure to keep elevator gates in proper working order	1	"
For obstructing an inspector in discharge of duties	1	"
Failure to provide toilet accommodation	2	"

Convictions were secured in all cases. Fines imposed amounted to $210. In one case amount of fine unstated pending completion of work.

One case was appealed, but was dismissed.

Information was also laid in three more cases, which were settled out of court, as the work was being proceeded with.

COMPLAINTS

One hundred and sixty-nine complaints were received during the year 1922, and were adjusted as far as possible. Subjects of complaint were as follows:

TABLE NO. 4

Year	Heat	Elev.	Fire Prot.	Child Labour	Sanitation	Hours Labour	Lavatory Accomodation	Boilers	Guards	Misc.	Total
1921	22	9	5	8	2	9	19	14	9	11	117
1922	18	9	5	7	9	25	18	17	5	56	169

A number of above complaints did not come within our jurisdiction.

Plans for new factories, shops and office buildings were approved during the year, the estimated cost of which, including alterations and additions to existing plants, amounted to nearly $10,000,000.

No boiler explosion reports were received during 1922.

ACCIDENTS

Three thousand four hundred and sixteen accidents were reported during the year, 45 of which were fatal, as compared with 4,013 reported in 1921, with 46 fatal.

Fatalities were due to:

Collapse of water tank	1
Cylinder lever	1
Car couplers	1
Burns and scalds	3
Crane	1
Electricity	1
Elevators	3
Explosion gas	1
Collapse of clay bank	1
Falling substances	4
Unknown	1
Falls	5
Gas fumes	3
Anaesthetic	1
Drowning	2
Suffocation	2
Reels	1
Shock and strangulation	1
Saws	2
Belts, pulleys and shafts	9
Spinning mule	1

Injuries and causes of all accidents are shown in tables appended. Particulars of fatalities are as follows:

D. Clavette, an employee of the Beach Furniture, Ltd., Cornwall, was assisting to take down the frost casing around the standup pipe of elevated water tank. The tank collapsed, instantly killing him.

John Harrison, an employee of the Canadian Pacific Railway Co., West Toronto, had head crushed between lever and train line; was in the act of driving out pin connecting wing chain with wing in cylinder lever, with his head between piston lever and train line, before air had sufficiently drained from cylinder, with result that when disconnected lever moved back, his head was crushed.

P. Lewars, an employee of the United Grain Growers, Ltd., Fort William, was caught between car couplers, and died in the hospital.

Dorselina Sandrin, an employee of Abitibi Lands & Forests, Ltd., Iroquois Falls, was fatally burned. Empty generator was being soldered, when it exploded, throwing cotton filling several feet in her direction. Her clothing became ignited.

Munday Mazerin, an employee of Laidlaw Bale Tie Co., Ltd., Hamilton, fell into hot lime vat and received fatal injuries.

James H. Smith, an employee of Taylor, Forbes Co., Ltd., Guelph, scalded face, neck, head, both arms and front and back of chest, injury to throat and respiratory track by inhalation; fire took place in Japan room and deceased went back for coat.

Fret Nettleton, an employee of Canada Iron Foundries, Ltd., Fort William, fractured skull; crane-driver wound crane block up too high, causing cable to snap permitting block to fall on him.

Arthur Sargent, an employee of A. Davis & Son, Limited, Kingston, was electrocuted; apparently received a shock from charged metal frame of reel, and slipped into hide tank, which contains tannic acid solution, sinking up to armpits and to save himself, apparently grasped the charged metal wheel of reel.

James Moore, an employee of the Cochrane Hardward, Limited, Sudbury, fractured thigh when he fell down elevator shaft. Died from injuries.

John Eppler, an employee of the Independent Rubber Co., Ltd., Merritton, was caught under descending weight and killed; was oiling runways, climbed up and leaned over guard to counter weights.

David Murray, an employee of J. & J. Taylor, Toronto, fractured skull, causing death; he was passing under platform of hoist while it was descending.

Elgin McKee, an employee of the British-American Oil Co., Ltd., Toronto, died of injuries; he was passing side of steel when an explosion of flue gas occurred, blowing out side wall of steel, and he was struck down.

Real Croteau, an employee of Abitibi Power & Paper Co., Ltd., Iroquois Falls, fractured skull; he was putting blocks from pile on to conveyer, two or three blocks slid down from about 35 feet up the pile onto head.

John Waoznyk, an employee of Canadian National Railways, Port Arthur, received concussion on head by lump coal; he died on way to hospital.

Gordon Gerrard, an employee of Canadian Pressed Brick Co., Ltd., Bartonville, was shovelling at the base of the clay bank, when it collapsed on him.

Hamilton Todd, an employee of Consolidated Elevator Co., Ltd., Fort William, met instantaneous death; while winding winch to raise boat loading spout to go into boat, cable over the boom broke and let spout come down, falling on man.

Richard Burton, an employee of H. W. Petrie, Limited, Toronto, was killed by machine falling on him.

John Douglas McKeith, an employee of F. H. Chapple, Galt, received concussion of the brain causing death, 24 hours later; he fell from third storey protected doorway.

Barclay McCormick, an employee of the Fort William Paper Co., Fort William, was fatally injured when he fell a distance of 16 feet.

Charles G. Scott, an employee of D. Graham, Sons & Co., Inglewood, received a hemorrhage of brain caused by bruise received when he fell and struck his head on corner of a dye vat.

George L. Crawford, an employee of Parmenter & Bulloch Co., Ltd., Gananoque, injured spine and ribs; he fell from top of upright boiler to cage 10 feet below, striking back on rail of cage. Died from injuries.

Stanley Crowhurst, an employee of the Pure Milk Company, Ltd., Hamilton, had brain fractured. He was going up a ladder in the creamery and for some unknown cause fell and lit on his head, on the cement floor.

Cyril Daive, an employee of the Beaver Wood Fibre Co., Ltd., Thorold, went to check stock chest of No. 2 machine which was overflowing with stock and in some manner not known to anyone was found with one foot in hole of stock chest and with both hands against the wall, dead.

M. Defelice, an employee of the Canada Cement Company, Ltd., Port Colborne, was overcome by gas; was cleaning water tank along with two other employees.

Thomas A. Slow, an employee of the Canada Cement Company, Ltd., Port Colborne, was overcome by gas; was cleaning water tank along with two other employees.

Clarence Morris, an employee of the Dominion Chain Company, Limited, Niagara Falls, received double fracture of right arm. He died under anaesthetic.

A. Savage, an employee of the Fort William Paper Company Ltd., Fort William, was drowned in the Mission River.

Alfred Mesley, an employee of the Hydro-Electric Power Commission, Peterborough, was asphyxiated; he disobeyed a recognized rule in going to work in the building alone. He apparently went into the purifier building to repack a valve spindle and was overcome by gas escaping from valve.

Paulidor Lafontaine, an employee of the Mattagami Pulp & Paper Co., Ltd., Smooth Rock Falls, was drowned while working dislodging logs, slipped on rock and fell into current below falls.

J. B. Shackleton, an employee of the Saskatchewan Co-operative Elevator Co., Ltd., Port Arthur, was smothered in screenings when attempting to clean out a scale.

William Bob, an employee of the Beaver Wood Fibre Co., Ltd., Thorold, had left shoulder crushed in, left lung injured, large vessels injured and bleeding from left ear, resulting in death, while tending machine, his left arm caught between reels on machine, drawing him between reels up to his shoulder, striking his head and shoulder on reels.

John Zozulick, an employee of the Cooksville Shale Brick Co., Ltd., Toronto, in some manner while shovelling shale in the hopper, fell into a cavity that was formed, and was suffocated by the dust.

Clarence Kidd, an employee of the Spanish River Pulp & Paper Mills Ltd., Sturgeon Falls, had left shoulder and collar bone broken; was standing on a platform removing large pieces of coal from belt conveyer in operation. It is presumed that he slipped and his arm caught under belt and was drawn in between belt and pulley.

Thos. P. Davidson, an employee of the Steel Co. of Canada, Ltd., Hamilton, lacerated back of head, right arm badly crushed up to arm pit; he was attending to fires at slag dump pump house and was caught in machine in a manner unknown. Death was due to shock and strangulation.

Archibald Baxter, an employee of the Standard Brick Co., Ltd., Toronto, had arm torn off and ribs broken; was attempting to put belt on pulley with power on and was caught in same, which caused fatal injuries.

William Fennell, an employee of Porritts & Spencer (Canada), Ltd., Hamilton, was jammed while he was cleaning his spinning mule and had failed to engage the clutch and the machine unexpectedly started and squeezed him around the hips.

John Kyle, an employee of the Northwestern Elevator Co., Ltd., Fort William, had left collar bone broken and several breaks in left arm; after fixing the shovel cable he was standing up to see how it was working when the leg of his overalls caught in the shafting and pulled him down. Injuries proved fatal.

Wilbert Lippington, an employee of the Government Experimental Flax Mill, Clinton, had leg pulled from body; became entangled in belt on break machine.

Sidney Osgersby, an employee of St. Mary's Cement Co., Limited, St. Mary's, had one arm torn off, the jaw broken and other injuries; he became caught in pulley belt, when he tried to stop rapidly revolving pulley.

Joseph Atkinson, an employee of the Empire Elevator Co , Ltd., Fort William, was badly mangled all over; was caught in shafting and instantly killed.

G. A. W. Montson, an employee of D. McLellan, Saw Mill, Latchford, had skull penetrated through right eye by piece of edging flying from edger machine.

Albert Parkinson, an employee of the Gilchrist Lumber Co., Ltd., Toronto, was fatally injured from being struck by a piece of lumber flying back off saw, striking him in stomach.

George Robinson, an employee of the Canada Wood Products Co., Rodney, had body mangled; his clothing caught in shaft and he was drawn into it.

William John Whalen, an employee of Adam Brown & Sons, Flour, Feed and Grain, Owen Sound, through some unknown cause his arm became wound round the shaft, and he died a few hours later through loss of blood and shock.

Letha Myrtle Neil, an employee of Wm. Brillon, Flour Mill, Haileybury, came to her death from being caught in an unprotected shaft and boxing protruding some two feet from back of mill.

Cause of Injury	Head & Face				Upper Extremities								Trunk									Lower Extremities							
	Face	Head	Eyes	Ears	Hand	Fingers	Thumb	Arm	Shoulder	Wrist	Elbow	Other	Ribs	Thigh	Back	Stomach	Chest	Side	Hips	Groin	Abdomen	Legs	Foot	Toes	Knee	Ankle	Multiple	Fatal	Total
Burns and scalds	8	1	34	1	21	10	2	34	1			9			2	1	1					23	26	2			31	3	210
Cranes and derricks		1				1	1	1					1		1			1	1				2		1		1	1	13
Elevators	1	3						2				2	1	1	1						1	5	6					3	26
Electricity												4																1	5
Engines and cars	2				2	11		2				1	1									3		2	1		1	1	27
Explosions	1							1																	1		1	1	5
Falling substances	8	28			11	45	9	14	7	7		3		2	11		2	1	3	2		24	123	150	10	14	16	4	494
Falls	13	9		1	6	8	2	13	14	11	5	7	20	3	21		4	29	11			18	1	1	27	13	44	5	286
Flying missiles	16	6	38	1	5	6	1	5	1			1	2	1	1		1				1	3	4	1	1	1	4		100
Foreign substances in eyes			79																										79
Hand tools	5	3	4	1	25	37	23	5		5			4			1	2	1			1	12	13	6	3	2			153
Hooks, chains, cables		3	1		12	19	3	3		1												2	4		4	2			54
Infected wounds	1	1	2	1	39	78	10	11		5	2	11										6	6	1	3	1			178
Jammed between articles	8	4			39	178	36	9	3	6	5	3	4	1	1		1	9		1	1	22	28	8	19	3	7		396
Sprains and strains					8	1	2	5	12	16	1	10	1		76		1	19	2	9	2	1	4		8	25	8		211
Metal Clippings			36																										36
CONNECTIONS																													
Rolls					2	11	3	3																			2		21
Gears, cogs, sprockets					4	22		1										1											28
Belts, pulleys, shafting		7			8	15	6	4		2			2									3					4	9	60
Saws	1	2			2	36	20	4				1		1			1	1	1		4	1	1		1			2	79
Planer						12		1																					13
Drill						10	4		1								1												16
Milling machinery						3	1			1												1							6
Shears	2				1	7	2		1	1					2														16
Emery wheel	1	1	49																										51
Press					1	28	3															1					1		34
Punch	1				2	10	3																						16
Dies						5	4																						9

MACHINERY AND	Barker					2	9	3																						14
	Calendars						9	1																						10
	Cutter knives						9	3															7							12
	Conveyers						2																2							4
	Hammers						4	4																				1		9
	Jointers						5																							5
	Stitcher						3																							3
	Loom						1	2																						3
	Centrifugal machinery			1		1	3						1	1																7
	Paper machinery						1	1	2																					4
	Spinning machinery					2		2																					1	5
	Winders						10	6	5		3	1																1		26
	Grinding wheels					8	18	3	1	1																				31
	Lathes					4	5	1	1																					11
	Machinery connections					8	22	7	5					3												2		3	1	52
	Wiredrawing, etc.			6		2	2	2															2							14
	Trucking		2			2	6		3	2				3		4		2	6			10	11	6	2	2				61
	Other machinery	2				8	56	12			3			4	1	2						1	1	1	1		1	2		95
	Miscellaneous causes	4	10	9		55	80	28	12	6	14	1	15	9	4	8	.	4	5	2	4	2	24	51	11	14	13	26	13	424
	Spoolers					1		3																						4
Total		74	82	259	5	281	798	213	147	49	75	15	68	56	14	130	2	20	73	20	16	23	165	270	185	97	75	153	45	3,416

																MACHINERY AND ITS CONNECTIONS																																
Class of Industry	Burns and scalds	Cranes and derricks	Electricity	Elevators	Engines and cars	Explosions	Falling substances	Falls	Flying missiles	Metal clippings	Foreign body in eye	Hand tools	Hooks, chains, cables	Blood poisoning or infected wounds	Jammed between or against objects	Strains or sprains	Rolls	Gears, cogs, sprockets	Belts, pulleys, shafting	Saws	Planer	Other machines	Drills	Milling	Shears	Emery wheel	Press	Punch	Dies	Barker	Calendar	Conveyers	Cutter knives	Hammers	Jointer	Stitcher	Looms	Centrifugal machines	Machinery connections	Spooler	Grinding machines	Lathes	Winders	Spinning	Paper machine	Wire drawing	Trucking	Other causes	Total
Pulp and paper Trades........	42	..	..	4	3	..	146	102	20	3	10	64	28	35	115	53	12	13	23	16	4	18	..	..	..	2	2	1	..	14	7	..	3	..	..	..	..	..	12	..	14	..	24	..	4	..	23	95	912
Metal Trades......	121	11	3	9	3	3	198	89	48	32	50	49	10	73	144	75	3	3	20	23	6	39	10	3	16	30	22	15	8	..	..	..	2	6	5	..	..	..	26	..	17	11	..	..	..	14	13	163	1,373
Rubber and rubber goods.........	10	..	..	1	..	..	38	6	2	..	1	5	2	12	18	17	..	..	..	..	1	2	..	1	..	..	1	..	..	..	2	..	2	..	..	1	..	..	5	..	..	..	..	1	..	..	7	15	150
Textiles............	6	..	..	2	..	..	13	19	....	..	4	6	4	12	6	4	5	10	4	..	..	11	..	1	..	8	1	..	..	..	1	..	5	..	..	..	3	..	7	4	..	..	2	4	..	..	5	30	187
Food...............	6	..	..	1	2	1	9	6	....	..	1	....	..	7	16	5	..	1	2	..	1	8	..	..	..	3	1	..	..	..	..	2	..	..	..	2	..	7	2	..	..	..	..	..	..	..	2	21	106
Lumber............	2	..	..	..	..	..	10	10	4	..	1	11	..	5	6	8	..	..	..	11	1	4	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	22	96
Laundries.........	1	..	..	..	..	..	1	....	....	..	..	....	..	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2
Chemicals.........	6	1	..	..	3	1	9	4	1	..	4	1	1	7	12	6	1	..	..	..	..	2	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	64
Conveyances, etc..	4	..	1	2	1	..	27	11	3	..	3	6	..	18	16	11	..	..	1	10	..	5	3	..	..	2	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	23	157
Transportation....	6	..	..	1	13	..	26	29	18	1	4	8	3	6	35	23	..	1	..	1	..	4	3	..	..	5	1	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	1	27	219
Clay, Glass, Stone	1	..	..	2	..	..	14	3	1	..	..	1	2	2	4	7	..	..	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	14	58
Unclassified trades	5	1	..	2	2	..	2	3	2	..	1	1	3	1	7	1	..	..	7	1	..	2	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	5	48
Leather goods.....	....	..	1	..	..	..	....	....	....	..	..	....	..	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1
Woodworking......	....	..	..	1	..	..	1	4	1	..	..	1	1	....	7	1	..	..	1	15	..	..	..	1	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	42
Wearing apparel..	....	..	..	1	..	..	....	....	....	..	..	....	..	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1
Total........	210	13	5	26	27	5	494	286	100	36	79	153	54	178	396	211	21	28	60	79	13	95	16	6	16	51	34	16	9	14	10	4	12	9	5	3	3	7	52	4	31	11	26	5	4	14	61	424	3,416

The following is a list of the factory inspectors of the Province, showing the district in which each one is responsible for the proper observance of the factory regulations as set forth in the Factory, Shop and Office Building Act:—

R. Albrough, 25 Grosvenor Ave., Sault Ste. Marie: Mr. Albrough's district is west to the Manitoba boundary line; east, including Manitoulin Island, Sudbury and North Bay to Quebec boundary line.

G. H. Bostock, 87 Glebeholm Blvd., Toronto: Mr. Bostock's district is old C.P.R. lines east to Sharbot Lake; G.T.R. lines north, including Peterborough, but excluding North Bay; south to G.T.R., C.N.R. and C.P.R. lines.

H. Bourne, 57 Francis St., Hamilton: Mr. Bourne covers all districts in the Province of Ontario for the purpose of investigating foundries.

W. T. E. Brennagh, 221 Maple Ave., Hamilton: Mr. Brennagh's district is G.T.R. main line west to London (exclusive); east to Niagara Falls, south and east of London and Port Stanley lines; north C.P.R. and G.T.R. to Crumlin and Tavistock, but exclusive of Milton, Branchton and Ingersoll Junction.

H. A. Clark, 238 Dufferin St., Toronto: Mr. Clark's district is City of Toronto, east side of Yonge Street, and west of Don River; north, including Leaside and Metropolitan line, but excluding Aurora and Newmarket; south, including a portion of Toronto Island.

W. S. Forster, 336 McLeod Street, Ottawa; Mr. Forster's district is east of North Bay, Algonquin Park and K. & P. Railway.

Miss Hamilton, 225 Bagot St., Kingston: Miss Hamilton's district is Kingston, K. & P. Railway, north and east to the Quebec boundary line.

A. W. Holmes, 39 Lakeview Ave., Toronto: Mr. Holmes' district is City of Toronto, east and south of Lansdowne Avenue and Bloor Street; west to Burlington, north to city limits; east including York Street, University Avenue and Avenue Road; south, including a portion of Toronto Island.

R. Hungerford, 434 Shaw St., Toronto: Mr. Hungerford's district is City of Toronto, west of but including, Landsowne Avenue and Bloor Street, also West Toronto, Lambton, Milton, Branchton, but excluding Drumbo, Stratford, Gowanstown and Fordwich; north to Southampton, Bruce Peninsula, Owen Sound, Collingwood, Meaford, Penetanguishene, and both C.P.R. and C.N.R. lines including Orillia and Elmvale but excluding Sudbury.

S. J. Mallion, 74 St. Vincent St., Stratford: Mr. Mallion's district is Fordwich, Gowanstown, Stratford, St. Mary's, London, St. Thomas, and Port Stanley; south and west to border line, including Ingersoll Junction on the C.P.R. and north, including Teeswater, Kincardine and Goderich.

Miss Ogilvie, 118 Centre Ave., St. Thomas: Miss Ogilvie's district is Port Dover, Simcoe, Woodstock, Tavistock, Listowel, Teeswater, west, south and north to Lakes Huron and Erie, and River St. Clair.

Mrs. Reddick, 437 Crawford Street, Toronto: Mrs. Reddick's district is City of Toronto, east side of Yonge Street, north and south to city limits; West Toronto; G.T.R. main lines to Shakespeare, Palmerston, Southampton, Sudbury and North Bay: G.T.R. Main lines east, but exclusive of Kingston and stations on the K. & P. Railway.

H. Stevenson, 60 Hambly Avenue, Toronto: Mr. Stevenson's district is City of Toronto, east side of Don River; north and south to city limits; east G.T.R and C.P.R. to Kingston, inclusive.

Mrs. Shaughnessy, 29 Park Road, Toronto: Mrs. Shaughnessy's district is City of Toronto, north and south to city limits, west side of Yonge Street; west on C.P.R. including Lambton and Streetsville.

H. J. Tutt, 39 Atlas Ave., Toronto: Mr. Tutt's district is City of Toronto, west side of Yonge Street, to York Street, but excluding York, University Avenue and Avenue Road to northerly limits; south, including portion of Toronto Island.

A. J. Wright, Preston: Mr. Wright covers all districts in the Province of Ontario for the purpose of investigating polishing plants.

BOILER INSPECTION

Chief Inspector: D. M. Medcalf
Office, Spadina Crescent, Toronto.

Inspectors: H. Brown, F. Swarbrick, J. A. Findlay,
W. Burns, T. J. Main, J. R. Dey.

DRAWINGS AND SPECIFICATIONS SURVEYED AND REGISTERED, AND RE-REGISTERED.

Boilers, Water Tube	3	designs	$10 00	per design	$30 00
“ “	3	“	$25 00	“	75 00
“ H.R.T.	2	“	5 00	“	10 00
“ “	9	“	10 00	“	90 00
“ “	3	“	15 00	“	45 00
“ “	3	“	20 00	“	60 00
“ Locomotive	1	“	5 00	“	5 00
“ “	15	“	10 00	“	150 00
“ “	9	“	15 00	“	135 00
“ Vertical	9	“	5 00	“	45 00
“ “	17	“	10 00	“	170 00
“ “	18	“	7 50	“	135 00
“ H.R.T. Heating	2	“	10 00	“	20 00
“ Water-Tube Heating	5	“	10 00	“	50 00
“ Locomotive Heating	4	“	10 00	“	40 00
“ “ “	1	“	15 00	“	15 00
“ “ “	3	“	20 00	“	60 00
“ Vulcanizer	1	“	5 00	“	5 00
“ Victory	1	“	15 00	“	15 00
“ Dry Back	1	“	10 00	“	10 00
“ Cast Iron Sectional	4	“	5 00	“	20 00
“ Firebox	5	“	10 00	“	50 00
“ “	2	“	15 00	“	30 00
“ “	2	“	20 00	“	40 00
“ Steel	2	“	5 00	“	10 00
“ Low Pressure	1	“	10 00	“	10 00
“ Sterling	1	“	10 00	“	10 00
Tar Heater	1	“	5 00	“	5 00
Steam Separators	3	“	5 00	“	15 00
Steam Tables	2	“	5 00	“	10 00
Steam Headers	1	“	7 50	“	7 50
Steam Kettles	4	“	5 00	“	20 00
Steam Jacketed Conveyer	1	“	5 00	“	5 00
After Cooler	1	“	5 00	“	5 00
Vulcanizers	5	“	5 00	“	25 00
Fertilizer Shell	1	“	5 00	“	5 00
Brick Kiln	1	“	5 00	“	5 00
Air Tanks	46	“	5 00	“	230 00
“	1	“	10 00	“	10 00
“	2	“	15 00	“	30 00
Air Receivers	6	“	5 00	“	30 00
Amonia Air Receivers	2	“	5 00	“	10 00
Trap Tanks	10	“	5 00	“	50 00
Steam Jacketed Tank	2	“	5 00	“	10 00
Oil Tank	1	“	5 00	“	5 00
Hot Water Tank	1	“	5 00	“	5 00
Tube Plates	2	“	5 00	“	10 00
Molds	3	“	5 00	“	15 00
Steel Stays	1	“	3 00	“	3 00
Fittings	26	“	3 00	“	78 00
“	4	“	10 00	“	40 00
Piping Plans	15	“	5 00	“	75 00
“	15	“	7 50	“	112 50
“	4	“	10 00	“	40 00
“	2	“	15 00	“	30 00

Boiler Revisions	20 designs	3 00 per design	60 00
"	3 "	5 00 "	15 00
Fittings—Revisions	15 "	1 00 "	15 00
SPECIAL RULINGS FOR DESIGNS			
Boiler, Locomotive	1		10 00
" Vertical	1		7 50
" Special English Type for Steam Truck	1		10 00
" Heine Water Tube	1		20 00
" according to Bombay, India, Boiler Regulations	1		30 00
Total	333		$2,388 50

NUMBER OF NEW PRESSURE VESSELS INSPECTED.

Ontario	312 inspections	$5 00 per inspection	$1,560 00
" (for Alberta)	2 "	10 00 "	20 00
Manitoba	1 "	5 00 "	5 00
United States	39 "	5 00 "	195 00
Total	354		$1,780 00

New Boilers Inspected	309 at	$5 00 per boiler	$1,545 00
Registered boilers inspected by Insurance Companies in Canada	3 at	5 00 "	15 00
Registered boilers inspected by Insurance Companies in U.S.A.	39 at	5 00 "	195 00
Registered boilers Inspected by Manitoba (Mr. Stewart, Chief Boiler Inspector)	1 at	5 00 "	5 00
Registered boilers inspected for Alberta	2 at	10 00 "	20 00
Total Number of Inspections	354		$1,780 00

NUMBER OF PRESSURE VESSELS REPAIRED, SOLD OR EXCHANGED.

Number of Used Boilers Inspected	724	$5 00 per boiler	$3,620 00
" " Condemned	4	5 00 "	20 00
" " Scrapped	1	5 00 "	5 00
" " Inspected by Manitoba	1	5 15 "	5 15
" Used Air Tanks Inspected	45	5 00 per tank	225 00
" Used Air Receivers Inspected	6	5 00 " vessel	30 00
" Used Steam Kettles Inspected	3	5 00 " "	15 00
" Used Cylinders	2	5 00 " "	10 00
" Used Vulcanizers	2	5 00 " "	10 00
" Used Steam Separators	1	5 00 " "	5 00
" Used Hosiery Steam Presses	1	5 00 " "	5 00
" Used Pipe Lines Inspected	8	5 00 " "	40 00
" Used Boilers Inspected to comply with the Factory, Shop and Office Building Act	42	5 00 per boiler	210 00
" Used Air Tanks Inspected to comply with the Factory, Shop and Office Building Act	2	5 00 " tank	10 00
" Used Vulcanizers Inspected to comply with the Factory, Shop and Office Building Act	3	5 00 " vessel	15 00
Re-setting of Safety Valve	1		2 50
Total Number of Inspections	846		$4,227 65

MISCELLANEOUS

Class "A" Certificates issued	391
Class "B" Certificates issued	767
Class "C" Certificates issued	432
Class "D" Certificates issued	574
Class "E" Certificates issued	1
Letters Outward	5,808

REVENUE STATEMENT

DR.		CR.	
Fees for designs surveyed	$2,388 50	Amount of monies transmitted to Treasury Department through Department of Labour	$13,075 40
Fees for new pressure vessels	1,780 00		
Fees for used pressure vessels	4,227 65		
Fees for Heating boilers	432 00		
Fees for pressure vessels (accepted on affidavits)	516 25		
Fees for high pressure boilers (accepted on affidavit)	1 00		
Fees for duplicate certificates	2 00		
Travelling expenses, collected	3,674 75		
Balance outstanding at end of year 31st October, 1921	14 25		
Credit balance outstanding at end of year, 31st October, 1922	39 00		
	$13,075 40		$13,075 40

A number of accidents were reported indirectly to this office and it was considered in the best interests of all concerned to investigate the cause of same.

On September 18th, a vacuum chamber dryer exploded in the plant of the Boeckh Manufacturing Company, Adelaide Street W., Toronto, seriously injuring three persons, necessitating their removal to the hospital. The vessel had only been installed and the operator was testing it when the explosion occurred, completely wrecking this section of the plant. Drawings of this pressure vessel showing the construction had not been submitted to this office. In our examination of the exploded vessel we found the material to be of cast iron, and that the core had floated during the cast, leaving one side 5/16 inches thick and the other side 7/8 inches. This vessel is being replaced with one made of boiler plate to meet with the Steam Boiler Act requirements.

On October 2nd, a hydro-pneumatic tank exploded at Bonnie-View Farm, near Niagara Falls, injuring one person. The bottom head of tank ruptured all around the flange, and the longitudinal seam opened up 54 inches, then the rupture extended through the solid plate 7 inches on each side of the seam. In its flight it took an upward course through the 10-inch floor beams driving them up through the 1½ inch floor and through the ceiling above, landing in the cellar. The metal at the longitudinal seam which had been welded showed distinct signs of crystallization, and from information received it had been installed in May, and the pressure carried was only 60 pounds, but that the pointer of gauge frequently failed to register the amount of pressure. This pressure vessel was not covered by a certificate issued from this office.

On October 20th, a steam-jacketed kettle exploded in the plant of Perrin & Company, Ossington Avenue, Toronto, scalding the attendant on the hands and arms together with a few minor cuts. This kettle was made of copper and was 23 inches in diameter and 17½ inches deep inside, with a 1½ inch water space on bottom, extending to within 5 inches of the top, and was used for making jam. It was fitted with a steam gauge and one half-inch safety valve. In examining the safety valve we found it covered with hard sugar, and after soaking for 24 hours in water, it was tested and functioned at 110 pounds, then it was thoroughly cleaned and functioned several times at 55 pounds. This test clearly indicated that the safety valve had been neglected, and allowed the steam pressure to build up beyond the pressure for which the vessel was constructed. This pressure vessel was not covered by a certificate issued from this office.

We received reports of three water fronts in the ordinary kitchen ranges exploding and doing considerable damage; in one instance the explosion resulted in one fatality. In every case, the accidents were due to the water fronts filling up with scale-forming matter, which did not allow the water to circulate properly. On account of these fronts being used mostly in private dwellings, it would be a difficult matter to guard against a recurrence of accidents of this nature.

Another person was severely scalded when a tube burst in the boiler on a clam shell operating in the City of St. Thomas. Upon examination we found all the beading burned off on the firebox end and the tubes in a doubtful condition, and ordered the boiler to be re-tubed.

A short piece of standard steam pipe failed in a large plant in Hamilton. This short piece was the only piece of standard piping on the entire line, the remaining pipe was extra heavy suitable for a steam pressure of 250 pounds. The defective portion was replaced with a piece suitable for the pressure carried.

We have not received reports of accidents occurring on any pressure vessel that we examined or for which certificates were issued.

Upon request from a large manufacturing concern in the United States, who are under contract to build boilers for the Punjaub Irrigation Scheme, we surveyed drawings and fixed the allowable working pressure on boilers to be constructed to meet the Bombay, India, regulations. Although the Bombay requirements differ from the regulations in the United States and Canada, we found them quite similar to the British Board of Trade rules, and the efforts put forth in surveying the drawings referred to appeared to be very much appreciated by the boiler manufacturers. We have arranged to inspect the boilers during construction to meet the wishes of the Bombay Boiler Inspection Department.

On March 2nd, 1922, an Order-in-Council was passed adopting the Canadian Interprovincial Regulations for the construction and inspection of boilers, tanks and their appurtenances. These regulations will come into force and take effect on and after January 1st, 1923.

The Steam Boiler Act was amended at the last sitting of the Legislature, by exempting inspection during construction of portable boilers, rated at 25 horsepower or under, when used for agricultural or horticultural purposes. This amendment will apply to the sale and exchange of boilers of this description.

APPENDIX A

INDUSTRIAL DISPUTES IN ONTARIO, 1922.

(From figures published in the Labour Gazette.)

Groups of Industries	Number of disputes in progress during year			Number of persons involved	Aggregate duration in working days
	Carried over from last year	Commenced during year	Total		
Printing and Publishing	4	....	4	1,172	324,938
Leather Shoe Workers	1	....	1	11	869
Building Trades	....	6	6	508	28,226
Garment Workers	....	2	2	50	400
Transportation	....	4	4	815	10,116
Metals, Machinery	....	2	2	23	1,093
Miscellaneous Waiters	....	2	2	68	1,936
Steam Shovel Operators	......	1	1	40	240
Fowl Pluckers	....	1	1	25	75
1922	5	18	23	2,712	367,893
1921	....	....	53	10,800	521,210

STRIKES AND LOCKOUTS DURING 1922

Strikes Commenced Prior to November 1921

Locality	Occupation	Commenced	Particulars	Number of Employees involved	Time loss in working days
Ottawa	Photo Engravers	May 2	For increased wages and 44 hour week. Information received in August indicates employment conditions no longer affected.	13	2,385
Ottawa	Printers	June 1	For increased wages and 44 hour week. Unterminated at end of year.	215	50,370
Toronto	Printers	June 1	For increased wages and 44 hour week. Unterminated at end of year.	893	261,500
Hamilton	Typesetters, Pressmen and Bookbinders	May 2	Alleged violation of agreement by employers. Unterminated at end of year.	51	10,683
Toronto	Shoeworkers	April 26	Against reduction in wages. Terminated in February.	11	869

Strikes Commenced During Fiscal Year

Locality	Occupation	Commenced	Particulars	Number of Employees involved	Time loss in working days
Toronto	Building Trades	January 2	Against reduction in wages. Men accepted employer's terms. Work resumed end of April.	200	13,900
Sarnia	Plumbers	January 23	Against reduction in wages. Settled by negotiations. Work resumed January 26.	18	36
Hamilton	Garment Workers	February 23	In protest against alleged reduction in wages. Information received in March indicates employment conditions no longer affected.	25	125
Paris	Knitters	February 6	In protest against proposed reduction in wages. Terminated February 18.	25	275
Toronto	Waiters	February 27	In protest against alleged objection to employment of waitresses. Information received in April indicates employment conditions no longer affected.	50	1,450
Hamilton	Waiters	March 1	In sympathy with waiters on strike in Toronto. Information received in April indicates employment conditions no longer affected.	18	486
Windsor	Bricklayers and Masons	April 1	Against reduction in wages. Settled by negotiations. Work resumed April 24.	40	760

STRIKES COMMENCED DURING FISCAL YEAR—*Continued*

Locality	Occupation	Commenced	Particulars	Number of Employees involved	Time loss in working days
St. Catharines	Painters and Plumbers	April 1	Against a reduction in wages. Settled by negotiation. Work resumed about June 12.	70	3,260
Toronto	Teamsters	April 1	Against reduction in wages. Work resumed April 10, when strikers were replaced by other workers.	155	1,085
Toronto	Painters	May 15	Against reduction in wages from 75c to 65c per hour. Information received in October indicates employment conditions no longer affected.	100	9,630
Guelph	Moulders	May 4	Against a reduction in wages and increased working hours. Information received in September indicates strikers have secured work elsewhere.	12	796
Toronto	Carpenters	May 29	Against a reduction in wages settled by negotiation. Work resumed June 12.	80	640
Toronto	Street pavers (Electric Railway)	June 8	For increased wages. Men returned to work pending final agreement to their grievances. Work resumed June 21.	130	1,430
Niagara Falls	Motormen and conductors (Electric Railway)	July 1	For recognition of Union. Unterminated at end of October.	30	2,601
Galt	Moulders	August 2	In protest against nine hour day instead of eight as formerly. Information received in August indicates strikers' places have been filled.	11	297
Welland	Steam Shovel Operators	August 13	For increased wages and a monthly rate to replace hourly rates. After negotiation work was resumed at various dates between August 15 and 21. The demands of employees having been partially granted.	40	240
Port Arthur Fort William	Freight Handlers	August 19	For an increase in wages of 10c per hour. Work resumed August 31st at 5c increase in wages.	500	5,000
Toronto	Fowl Pluckers	October 2	Against a reduction of 1c per bird. Negotiations, work was resumed on October 5 at the reduced rate.	25	75
Strikes commenced prior to November, 1921				1,183	325,807
Strikes commenced during fiscal year				1,529	42,086
Totals				2,712	367,893

INDUSTRIAL DISPUTES IN ONTARIO 1916-1922.

Year	Number of Disputes	Number of employees involved	Time loss in working days
1916	33	4,619	62,686
1917	54	9,707	65,148
1918	71	11,867	134,234
1919	116	43,288	1,021,655
1920	102	12,256	228,992
1921	53	10,800	521,210
1922	23	2,712	367,893

FATAL INDUSTRIAL ACCIDENTS REPORTED DURING THE YEAR 1922

(From Labour Gazette)

Trade or industry	First quarter	Second quarter	Third quarter	Fourth quarter	Total
Agriculture	2	1	16	7	26
Logging	7	11	12	17	47
Fishing and trapping	2	......	....	4	6
Metalliferous mining	6	6	4	3	19
Non-metallic mineral mining	1	....	....	2	3
Clay products	3	3	....	4	10
Vegetable food	2	1	2	2	7
Animal food	....	1	4	4	9
Textile	1	1	1	....	3
Rubber goods	1	....	2	..	3
Clothing	....	1	....	....	1
Leather	....	1	....	....	1
Pulp and paper	2	6	2	....	10
Printing and publishing	1	....	....	....	1
Saw-milling	6	5	4	5	20
Wood products	....	1	1	3	5
Iron and steel	1	4	8	5	18
Non-ferrous metal product	....	....	1	1	2
Non-metallic mineral product	1	....	2	....	3
Miscellaneous industries	....	1	2	....	3
Building	3	5	7	14	29
R. R. construction	....	5	5	....	10
Miscellaneous construction	4	8	17	5	34
Steam railways	15	12	16	16	59
Street and electric railways	....	1	2	2	5
Water transportation	1	3	4	3	11
Air service	....	1	....	....	1
Storage and local transportation	1	2	10	5	18
Telegraph and telephone	2	5	3	....	10
Public utilities	....	3	7	3	13
Retail	....	2	2	2	6
Public and municipal	1	5	5	2	13
Custom and repair	....	1	....	....	1
Miscellaneous	7	4	....	....	11
Shipbuilding	....	....	....	1	1
Chemical and allied products	....	....	....	2	2
Personal	....	....	....	2	2
	70	100	139	114	423

IMMIGRATION TO ONTARIO DURING THE YEAR 1922

(From Labour Gazette)

Nationality	First quarter	Second quarter	Third quarter	Fourth quarter	Total
Albanian	....	....	....	1	1
African South	1	2	2	....	5
Armenian	16	9	6	3	34
Australian	....	4	7	4	15
Austrian	5	....	1	....	6
Belgian	22	61	22	16	121
Bulgarian	1	1	2	4	8
Chinese	30	35	22	48	135
Czecho-Slovak	6	10	11	2	29
Dutch	3	11	14	12	40
Esthonian	....	....	1	2	3
Finnish	33	46	133	341	553
French	5	9	33	3	50
German	1	4	17	14	36
English	656	3,270	3,469	1,971	9,366
Irish	93	713	585	363	1,754
Scottish	314	1,728	1,843	1,135	5,020
Welsh	5	120	73	33	231
Greek	26	37	40	19	122
Hebrew	121	124	42	14	301
Hebrew, Polish, Russian	355	255	262	197	1,069
Italian	178	623	132	195	1,128
Jamaican	....	15	4	....	19
Japanese	1	1	1	1	4
Jugo-Slav	14	4	16	17	51
Negro	2	4	9	....	15
Lithuanian	....	2	7	1	10
New Zealand	....	2	4	1	7
Maltese	....	11	33	5	49
Newfoundland	2	38	107	107	254
Polish	122	251	227	199	799
Roumanian	14	32	27	37	110
Portugese	....	....	....	1	1
Venezuelan	....	....	....	1	1
Russian	4	8	1	5	18
Danish	12	15	22	9	58
Spanish	....	1	....	....	1
Norwegian	3	9	7	3	22
Swedish	5	36	38	36	115
Swiss	6	4	3	4	17
Turkish	3	....	1	1	5
Syrian	5	7	4	9	25
Ukranian	1	....	....	7	8
West Indian	3	7	8	9	27
Persian	....	....	1	....	1
U.S.A. Citizens via ocean ports	....	....	2	2	4
Immigration via ocean ports	2,068	7,509	7,239	4,832	21,648
Immigration from U. S. A.	1,502	2,340	1,605	1,154	6,601
Total immigration	3,570	9,849	8,844	5,986	28,249

A COMPARISON OF THE AVERAGE COST OF STAPLE FOODS FOR FIFTEEN YEARS IN ONTARIO

(Labour Gazette)

1900—5.01....................1913—7.20....................1918—13.58
1905—5.60....................1914—7.78....................1919—14.17
1910—6.50....................1915—7.73....................1920—15.75
1911—6.67....................1916—9.41....................1921—11.48
1912—7.25....................1917—11.84....................1922—10.14

HOURS OF LABOUR OF EMPLOYEES IN FACTORIES, SHOPS AND OFFICE BUILDINGS IN ONTARIO DURING 1922:

Number of factories, shops and office buildings inspected		11,320
Number of employees in these firms:		
Males over 16 years of age	163,888	
Males 14 to 16 years of age	792	
Total number of males		164,680
Females over 18 years of age	68,620	
Females 14 to 18 years of age	2,186	
Total number of females		70,806
Total		235,486

HOURS

Males working 45 hrs. per week	82,216	51.78%
" " 50 " " "	34,107	21.48%
" " 54 " " "	20,326	12.80%
" " 58 " " "	1,876	1.18%
" " 60 " " "	20,245	12.75%
	158,770	
Females working 45 hrs. per week	49,070	71.88%
" " 50 " " "	11,595	16.98%
" " 54 " " "	5,171	7.57%
" " 58 " " "	212	.31%
" " 60 " " "	2,221	3.25%
	68,269	

Hours of labour not recorded for 8,447 employees.

RATES OF WAGES AND HOURS OF LABOUR IN ONTARIO 1921 AND 1922.

The following tables have been taken from the bulletin published by the trade unions, industrial agreements and schedule of wages in force supplemented Department of Labour, Ottawa. The statistics were secured from employers, by special reports from departmental correspondents and officers.

WAGES AND HOURS OF LABOUR IN ONTARIO 1921 AND 1922,

TABLE I.—RATES OF WAGES AND HOURS OF LABOUR IN

Locality	(a) BUILDING TRADES							
	Bricklayers				Carpenters			
	Sept. 1921		June 1922		Sept. 1921		June 1922	
	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week
Ontario:								
Ottawa	.90	44	.85	44	.75	44	.70	44
Brockville	.90	44–48	.90	44–48	.75	44–48	.65–.75	44–48
Kingston	.85	48	.85	48	.75	44	.75	44
Belleville	.75	54	.75	54	.60	54	.60	54
Peterborough	.85	44	.85	44	.70–.75	44–60	.65–.70	44–60
Orillia	.90	54	.90	54	.70	54	.70	54
Toronto	1.00	44	1.00	44	.90	44	.80–.90	44
Niagara Falls	1.00	44	1.00	44	.80	44	.80	44
St. Catharines	.90	44	.90	44	.85	50	.85	50
Hamilton	1.02½	44	.90½	44–60	.75–.85	44	.75	44
Brantford	.90	44	.90	44	.75	44	.75	44
Galt	.90–1.00	44	.90	44	.85	48	.80	48
Guelph	1.00	44	1.00	44	.77½	44	.77½	44
Kitchener	.85–.90	48–50	.85–.90	48–60	.60–.90	50–59	.60–.90	50–59
Woodstock	.90	48	.90	48	.60	59	.60	59
Stratford	.90	44	.90	44	.75	50	.65	50
London	1.00	44	.85	44	.75	44	.70	44
St. Thomas	1.00	54	.90	54	.60	48	.60	60
Chatham	1.00	50	1.00	50	.85	55	.75	55
Windsor	1.15	44	1.07½	44	.90	44	.80	44
Owen Sound	.90	60	.75	60	.70–.80	60	.70–.75	60
Sault Ste. Marie	.95–1.02½	48–54	.95	54	.65–.85	48–60	.70–.75	48
Port Arthur and Fort William	1.15	44	1.00	44	.70–.80	44–60	.60–.75	44–60

TABLE I.—RATES OF WAGES AND HOURS OF LABOUR IN

Locality	(a) BUILDING TRADES—*Continued*							
	Stonecutters				Plasterers			
	Sept. 1921		June, 1922		Sept. 1921		June, 1922	
	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week
Ontario:—								
Ottawa	.90	44	.85	44	.85	44	.85	48
Brockville	.75–.90	44–48	.75–.90	44–48	.75–.90	44–48	.75–.90	44–48
Kingston	.75	48	.75	48	.85	48	.85	48
Belleville	.75	54	.75	54	.75	54	.75	54
Peterborough	.85	44	.85	48	.85	48–54	.85	48
Orillia	.90	48	.90	48	.80	54	.80	54
Toronto	.90	44	.90	44	1.00	44	1.00	44
Niagara Falls	.75	44	.75	44	1.00	44	1.00	44
St. Catharines	.90	44	.90	44	.90	44	.90	44
Hamilton	.90	44	.87½	44	.90	44	.90	44
Brantford	.90	44	.90	44	.90	44	.90	44
Galt	.80	48	.80	48	1.00	48	.90	48
Guelph	1.00	48	1.00	48	1.00	44	1.00	44
Kitchener	.87½–.90	44–50	.85–.87½	44–50	.85–.90	48–50	.85.–90	48–50
Woodstock	.85	48	.85	48	.90	48	.90	48
Stratford	.90	48	.90	48	1.00	60	.90	60
London	.87½	44	.87½	44	1.00	44–50	.85	44
St. Thomas	.85–1.00	59	.85–1.00	59	.85–1.00	60	.85–1.00	60
Chatham	1.25	50	1.25	50	1.00	50	1.00	50
Windsor	1.12½	44	1.12½	44	1.12½	44	1.12½	44
Owen Sound	.90	60	.75	60	.60–.90	60	.60–.75	60
Sault Ste. Marie	.95–1.02½	48	.95	48	.95–1.02½	48	.95	48
Port Arthur and Fort William	1.00	44	1.00	44	1.15	44	1.00	44

FROM REPORT No. 4, DEPARTMENT OF LABOUR, OTTAWA

VARIOUS TRADES, IN CERTAIN CITIES 1921 AND 1922

(a) BUILDING TRADES

Electrical Workers				Painters				Plumbers			
Sept. 1921		June 1922		Sept. 1921		June 1922,		Sept. 1921		June, 1922	
Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week
.80	44	.70–.80	44	.65–.70	44	.65	44	.80	44	.75–.80	44
.65–.75	44–48	.60–.75	44–48	.50–.60	54	.50–.60	54	.65–.75	44–54	.65–.75	44–54
.70	44	.60–.70	44	.65	48	.65	48	.80	44	.80	44
.65	54	.60–.65	54	.50–.60	54	.50–.60	54	.85.–90	54	.85–.90	54
.60–.62½	44	.60	50	.55–.65	44- 48	.50–.55	44–48	.75	44–48	.65–.75	44–48
....	....	....	....	.60	54	.60	54	.60	54	.75	54
.77–.87½	44	.80	44	.75–.85	44–48	.65.–75	44	.90	44–48	.90	44
.70–.90	54	.70	54	.70	48	.70	48	.90	44	.85	44
.60–.75	44	.60–.75	44	.70–.80	44–50	.65	44–50	.90	44	.82½	44
.75	44	.75	44	.65–.75	44	.62½–.70	44	.85–.90	44	.85	44
.70–.75	44	.70	44	.60–.65	44	.60–.65	44–50	.65–.85	44–50	.65–.75	44
.85	44	.75–.85	44	.55	48	.55	48	.70–.85	44	.70–.75	44
.65	49	.65	49	.60	45	.60	45	.70	44	.60	44
.75	50–55	.65	40–50	.55	49	.55	49	.75	50	.75	44–50
.65–.70	54	.65–.70	54–59	.50	50	.50	50	.70–.75	48–54	.70–.75	48–59
.70	54	.70	54	.60	60	.60	60	.75	60	.65	60
.65–.70	44	.60	44	.60–.70	44–47	.55–60	44	.75	44	.70–.75	44
.75	54	.65	48	.60	60	.50	60	.75	49–54	.75	48–54
.75	48	.65	48	.80	50	.75	50	.70	53	.65	53
.90	44	.90	44	.75–.85	44–48	.75	44	1.00	44	1.00	44
.75–.80	54–60	.60	54–60	.75	54–60	.60–.75	54	1.00	54–60	.90–1.00	54–60
.65	54	.55	54	.75–.80	48	.65–.75	48	.90	48	.80	48
.75	44	.60	44	.60	50	.60	50	.75–.90	44	.75–.90	44

VARIOUS TRADES IN CERTAIN CITIES 1921 AND 1922—*Continued*

(a) BUILDING TRADES—*Concluded*

Roofers (felt and gravel)				Builders' Labourers				Ordinary Labourers			
Sept. 1921		June, 1922		Sept. 1921		June, 1922		Sept. 1922		June, 1922	
Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week
.60–.70	44–50	.60–.65	50	.50	44–50	45	44–50	.50	44	.45–.50	44–50
.75	44	.75	44	.40–.45	44–48	.35–.40	44–48	.35	44–48	.25–.30	44–48
....	....	....	....	.35	48	.30–.40	60	.32½	48	.32½	48
.75	54	.75	54	.40–.50	54	.40	54	.40	54	.35–.40	54
....	....	....	....	.40	48–54	.40	48–54	.40	48–60	.35	48–54
....	....	....	....	.40	54	.40	54	.40	54	.35	54
.65–.75	44	.65–.70	44	.50–.60	44	.45–.60	44	.50	44	.45	44
....	....	....	....	.50	50	.35	55	.50	54	.30	54
.60–.70	44	.60–.70	44	.40–.50	50	.40–.50	44	.40–.45	44–50	.40–.45	44–50
.80–.85	44	.80–.85	44	.50	50	.40	50	.35–.50	44–60	.35–.50	44–60
.65	44–50	.65	44	.50	44–50	.50	44	.35–.40	44–60	.35–.40	44–60
.50	55	.45	55	.45–.55	44	.45–.50	44	.50	40	.40	49½
....	....	....	....	.45	44	.45	44	.40	59	.35–.40	59
....	....	....	....	.35–.45	59	.30–.45	60	.40	55	.40	55
....	....	....	....	....	....	....	....	....	....	....	....
.60	60	.55	60	.35–.45	50–59	.35–.40	50–59	.35–.45	60	.30–.35	60
....	....	....	....	.50–.60	44–60	.45–.55	44–60	.40–.55	44–59	.30–.50	44–60
.55	60	.55	60	.45–.50	60	.45–.50	60	.35–.50	60	.35–.40	60
.75	50	.75	50	.55	55	.45	55	.40	55	.35	55
....	....	....	....	.40–.50	50–59	.40–.50	50–60	.45–.50	54–60	.40–.50	50–60
....	....	....	....	.45–.50	60	.45–.50	60	.35–.40	60	.35–.40	60
.60	54	.50	54	.50	54	.45	54	.30–.45	54–60	.35	60
.65	44	.65	44	.35–.45	60	.30–.35	60	.30–.40	60	.30–.40	60

TABLE I.—RATES OF WAGES AND HOURS OF LABOUR IN

Locality	(b) METAL TRADES											
	Blacksmiths				Boilermakers				Machinists			
	Sept., 1921		April, 1922		Sept., 1921		April, 1922		Sept., 1921		April, 1922	
	Wages per hour	Hours per week	Wages per hour	Hours per hour	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week
ONTARIO—												
Ottawa......	.53 –.65	44–50	.51–.60	44–50	.70– 75	50	.70–.75	50	.50 –.63	44–54	.50 –.60	44–50
Brockville....	.55½	50	.50	50	....	......	....	......	.55 –.65	44–50	.55 –.60	44–50
Kingston....	.40 –.50	55	.40–.50	55	.45	55	.45	55	.55	55	.45	55
Belleville....	....	......	....	......	....	......	....	......	.55 –.60	44–59	.50 –.60	49½–59
Peterborough.	.58½–.66	50	.48–.55	50	.55–.65	50	.50–.55	50	.54 –.75	45–60	.53 –.62	50–60
Orillia.......	.58	54	.55	54	....	......	....	......	.50 –.65	54	.45 –.60	54
Toronto.....	.60 –.70	44–50	.60–.65	44–50	.60–.75	48	.60–.70	48	.55 –.70	44–50	.50 –.70	44–50
Niagara Falls.	.55 –.70	49–54½	.50–.65	49–54½	....	......	....	......	.55 –.70	49–54½	.53 –.65	49–54½
St. Catharines	.50 –.65	50	.50–.65	50	.55–.60	50	.50–.60	50	.55 –.60	55	.55 –.60	50
Hamilton....	.50 –.70	45–55	.45–.60	44–55	.51–.70	44–50	.38–.42	45	.50 –.75	40–55	.40 –.70	44–55
Brantford....	.47 –.60	43–48	.45–.55	44–48	53–.70	43	.52–.64	43⅓	.52 –.75	44–55	.53 –.70	43¼–50½
Galt.........	.55 –.61	50	.55–.61	50	.55–.67	50	.52–.61	50	.52 –.60	50–55	.52 –.60	50–55
Guelph......	.66½	48	.56	48	....	......	....	......	.40 –.42½	50	.38 –.40	50
Kitchener....	.45 –.50	45	.45	50	....	......	....	......	.55 –.67½	45	.50 –.67½	50
Woodstock...	.45	50	.45	50	.65	45	.65	45	.62½	55	.40	59
London......	.55 –.62½	44–50	.50–.62½	44–50	.58–.62	44–50	.58–.62	50	.56 –.68½	44–50	.50 –.65	44–50
St. Thomas...	.45	55	.45	55	....	......	....	......	.50	55	.50	55
Chatham....	.40 –.50	44	.35–.50	44–59	.62	44	.55	55	.50 –.60	44	.40 –.50	44–55
Windsor.....	.60 –.68	49½	.55–.62	45	.85	44	....	......	.65 –.71	49½	.50 –.65	40–50
Owen Sound..	.59	44–54	.52½	48–54	.60	50	.50	50	.56	44	.50	54
Sault Ste..... Marie...	.43 –.55	54	.43–.55	54	.43–.55	54–59	.43–.55	54–59	.53½–.62½	54–59	.53½–.60	54–59
Port Arthur and Fort William.......	.59–.75	45–60	.53–.60	49–55	.60	55	.54	55	.61½–.75	44–60	.50 –.65	49–55

TABLE I.—RATES OF WAGES AND HOURS OF LABOUR IN

Locality	(c) PRINTING TRADES			
	Compositors, hand news offices			
	Sept. 1921		April, 1922	
	Wages per week	Hours per week	Wages per week	Hours per week
ONTARIO:—				
Ottawa..............................	38.00	45½	38.00	45½
Kingston..............................	31.00	48	31.00	47
Peterborough..............................	31.50	48	31.50	48
Orillia..............................	20.00–40.00	54	20.00–40.00	54
Toronto..............................	38.00	48	38.00	48
St. Catharines..............................	33.00	48	33.00	48
Hamilton..............................	35.00	48	35.00	48
Brantford..............................	33.00	48	33.00	48
Galt..............................	31.00	48	31.00	48
Kitchener..............................	30.00	48	30.00	48
Woodstock..............................	27.00	48	27.00	48
London..............................	39.00	44	39.00	44
St. Thomas..............................	33.00	48	33.00	48
Chatham..............................	24.00	48	24.00	48
Windsor..............................	42.00	48	41.00	48
Sault Ste. Marie..............................	32.00–36.00	48	34.00–36.00	48
Port Arthur and Fort William..............................	43.00	48	43.00	48

VARIOUS TRADES IN CERTAIN CITIES, 1921 AND 1922—*Continued*

(b) METAL TRADES

Iron Moulders				Paternmakers				Sheet Metal Workers				Auto Mechanics			
Sept., 1921		April, 1922		Sept., 1921		April, 1922		Sept., 1921		April, 1922		Sept., 1921		June, 1922	
Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week
.56-.65	50-54	.50-.60	45-50	.60-.77	48-54	.54-.70	44-50	.75	44-50	.75	44-50	.50-.65	54	.46-.59	54
....	.....	....	......	.55-.65	44-50	.55-.65	44-50	.60	48	.60	48	....	.....	....	.....
.55	55	45	55	.75	48	60	44	.80	44	.80	44	.50-.70	54	.45-.70	54
.55-.65	44-59	.55-.60	49½-59	.50-.65	59	.50-.65	59	.60	48	.60	48	....	.....	....	.....
.73-.76½	44	.60-.62½	44	.65-.70	50	.50-.60	50	.60-.75	44	.60-.75	44-54	40-.50	50-54	.40-.46	50-54
.45-.65	45-54	45-.60	50-54	.55-.66	50-54	.55-.61	54	.60	50	.55	50	.40	54	.45	54
.65-.75	48-50	.50-.70	44-50	.70-.85	44-50	.60-.75	44-50	.75-.90	44-50	.60-.75	44-49½	.60-.70	44-60	.55-.65	44-55
.50-.70	49	.50-.70	49	.55-.77	49-54½	.49½-.77	49-54½	.85	44	.60	44	.65-.85	54	.65-.85	54
.60-.69	50	.47½-.62½	50	.70-.86	44-50	.70-.86	44-50	.60-.90	44	.60-.82½	44	.50-.75	54	50-.75	54
.60-.80	40-55	.50-.67½	44-55	60-.75	40-60	.55-.71	44-60	55-.70	44-55	.45-.60	44-55	.50-.60	48-54	50-.60	48-54
.60-.70	40-45	.50-.74	43⅓-48	.52-.75	43-50	51-.70	43¼-50	55-.65	44-54	55-.65	44	.40-.51	60	45-.50	60
.54-.65	50	.54-.65	48-50	.50-.60	45-55	.56½-.58	44-50	.53	50	.47½	50	.41½	60	41½	60
.52½-.76¼	45-48	.47½-.67½	45-48	1.00	48	.70	48	.45	50	.38	50	.50	55	.50	55
.65-.70	45	.60-.70	50	.55-.60	45	.60	45-50	.58½-.67½	50	.58½-.67½	50	.55	54	.55	54
.50-.75	48	.50-.75	48	.43½-.52½	55	42½-.45	55-59	.60	60	.60	60	.50	60	.40-.60	60
.50-.65	44-50	.50-.68¾	44-50	47-.56	44-50	.47-.55	44-50	.45-.65	44-50	.45-.62	50	.50-.60	54-60	.50-.60	54-60
45	55	45	55	.68	44	.68	44	.65-.75	49	.65	49	.50-.58	48	....	.....
.52	44	.57	44	.70	44	.60	55	.50	44	.50	49½	50	44	.45	44
.50-.60	50	.45-.60	50	.60-.81	49½	.66-.75	40	.90	44	.90	44	.70-.75	50-54	.60-.70	50-60
.56-.60	44-50	.50-.53	48-54	59-.75	44-54	.52½-.66	48-54	.50	60	.50	54	.75	54	.75	54
.50-.60	59	.50-.60	59	.67-.70½	54-59	53½-.57½	54-59	.60	54	.55	54	.60-.75	55-57	.60-.75	54-57
.63-.70	48-55	.52½- 60	55	.63½-.68	55	.54-.61	55	.65-.85	49½	.65-.70	44-49½	.55-.65	54	.50-.65	54

VARIOUS TRADES IN CERTAIN CITIES 1921 AND 1922—*Continued*

(c) PRINTING TRADES

Compositors, hand: job offices				Compositors, linotype: news offices				Pressmen, cylinder: job offices			
Sept., 1921		April, 1922		Sept., 1921		April, 1922		Sept., 1921		April, 1922	
Wages per week	Hours per week	Wages per week	Hours per week	Wages per week	Hours per week	Wages per week	Hours per week	Wages per week	Hours per week	Wages per week	Hours per week
35.00	44-48	35.00	44-48	38.00	45½	38.00	45½	35.00-37.84	44-48	35.00-37.84	44-48
31.00	44	31.00	44	33.00	47	33.00	47	30.00	48	30.00	46½
30 00	44	30.00	44	31.50	48	31.50	48	28.00	44	28.00	44
20.00-40.00	54	20.00-40.00	54	28.00	54	20.00-30.00	54	....	......	....	......
32.00-36.00	44-48	32.00-38.00	44-48	38.00-43.00	45-48	38.00-43.00	45-48	36.00	48	36.00	48
33 00	44-48	33 00	44-48	33.00	48	33.00	48	33.00	48	33.00	48
35.00-42.80	44-48	35.00-41.80	44-48	36.00	48	36.00	48	35.00-45 00	48	35.00-45.00	48
30.25	44	30.25	44	33.00	48	33 00	48	35.00	48	35.00	48
....	......	....	......	31.00	48	31 00	48	....	......	....	......
30.00	48	30.00	46½-48	32.00	48	32.00	48	30.00	48	30 00	45½-48
27.00	48	27.00	48	33.00	48	33.00	48	35.00	48	35.00	48
39.00	44	39.00	44	39.00	44	39.00	44	34.00	48	34.00	48
33.00	48	33.00	48	33.00	48	33.00	48	33.00	48	33.00	48
24.00-30.00	48	24.00-30.00	48	35.00	48	30.00-35.00	48	22.00	48	22.00	48
42.00	48	41.00	48	45.00	48	45.00	48	35.00-40.00	48	35.00-40.00	48
40.00	48	40.00	48	32.00	48	32.00	48	....	......	....	......
43.00	48	43.00	48	43.00	48	43.00	48	50.00	48	43.00	48

TABLE I.—RATES OF WAGES AND HOURS OF LABOUR, IN

Locality	(c) PRINTING TRADES—*Continued*			
	Pressmen, web; news offices			
	Sept. 1921		April, 1922	
	Wages per week	Hours per week	Wages per week	Hours per week
ONTARIO:—				
Ottawa	35.00	44–48	35.00	44–48
Kingston	30.00	48	30.00	48
Peterborough	23.00	48	23.00	48
Orillia	....	....	....	....
Toronto	37.00	48	37.00	48
St. Catharines	33.00	48	33.00	48
Hamilton	36.00	48	36.00	48
Brantford	35.00	48	35.00	48
Galt	31.00	48	31.00	48
Kitchener	30.00	48	30.00	48
Woodstock	35.00	48	35.00	48
London	34.00–38.00	42–44	34.00–38.00	44
St. Thomas	35.00	48	35.00	48
Chatham	29.00	48	29.00	48
Windsor	45.00	48	45.00	48
Sault Ste. Marie	....	....	....	....
Port Arthur and Fort William	45.00	48	45.00	48

TABLE I.—RATES OF WAGES AND HOURS OF LABOUR IN VARIOUS

Locality	(d) ELECTRIC							
	Conductors and Motormen (maximum)				Linemen			
	Sept., 1921		June, 1922		Sept., 1921		June, 1922	
	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week
ONTARIO—								
Ottawa	.55	54	.48	54	.54	54	.48	54
Kingston	.32½	60	.32½	60	.40	60	.40	60
Peterborough	.46	54	.42	60	.50	54	.50	54
Toronto	.60	48	60	48	.72–.78	44	.72–.78	48
Niagara Falls	.46–.52	54	.40–.48	54	.50–.55	54	.45–.50	54
St. Catharines	.62	54	.48	54	.50–.55	54	.45–.50	54
Hamilton	.52	55–60	.48	55–60	.66	55	.66	50
Brantford	.50	42	.45	42	.45	54	.45	54
Galt	.52	54–63	.50	54–63	.55	54	.55	50
Guelph	.45	51	.45	51	.45	59	45	59
Kitchener	.42½	61 2/3	.42½	61 2/3	....	....	....	....
London	.48	55½	.45	55	.43–.60	60	.43–.60	54
St. Thomas	.50	51	.50	52	.50	60	.50	50
Windsor	.55	63	.55	63	.60–.70	54	.60–.70	54
Sarnia	45	60	.45	60	.47½	60	.45	60
Cobalt	.50	75	.47½	63	*c*115.00	48	c110.00	48
Sault Ste. Marie	.50	60–66	.45	60–66	....	....	....	....
Port Arthur and Ft. William	.55	58½–60	.50	56½–60	.70–.80	49–49½	.70–.72	49–49½

c Per Month.

VARIOUS TRADES IN CERTAIN CITIES, 1921 AND 1922—*Continued*

(c) PRINTING TRADES—*Continued*

Bookbinders				Bindery Girls			
Sept., 1921		April, 1922		Sept., 1921		April, 1922	
Wages per week	Hours per week	Wages per week	Hours per week	Wages per week	Hours per week	Wages per week	Hours per week
35.00	48	35.00	48	13.50	48	13.50	48
32.00	48	32.00	48	8.00–12.00	48	8.00–12.00	48
30.00	44	30.00	44	8.00–10.00	44	6.00–10.00	44
....	....	....	....	....	....	....	....
36.00	48	36.00	48	16.50–19.00	48	16.50–19.00	48
....	....	....	....	....	....	....	....
35.00–36.00	48	36.00	48	13.00	48	13.00	48
36.00	48	36.00	48	....	....	....	....
....	....	....	....	....	....	....	....
35.00	46½	35.00	46½	15.00	46½	15.00	46½
30.00	48	32.00	48	13.00	48	14.00	48
34.00	48	34.00	48	14.80–15.00	47½–48	15.00	47½
33.00	48	33.00	48	10.50–12.00	48	10.50–12.00	48
25.00–30.00	48	25.00–30.00	48	10.00	48	10.00	48
....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....
43.00	48	43.00	48	12.00–15.00	48	12.00–15.00	48

TRADES IN CERTAIN CITIES, 1921 AND 1922—*Concluded*

RAILWAYS

Shedmen				Electricians				Trackmen			
Sept., 1921		June, 1922		Sept., 1921		June, 1922		Sept., 1921		June, 1922	
Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week
.42–54	54	.30–.48	54	.55–.57½	54	.50	54	.48	54	.42	54
.39½	60	.39½	60	*c*133.00	60	*c*133.00	60	.35	60	.35	60
.45	60	.42	60	.45	60	.42½	60	.45	54	.35	54
.54–.56	48	.54–.56	48	.55–.63	48	.55–.57	54	.50–.62	44	.45–.62	48
.35–.40	54	.30– 35	54	*c*115.00	72	*c*104.00	72	.40–.45	54	.28–.35	54
.40	54	.40	54	.42–.55	54	.38–.50	54	.40–.45	54	.28–.35	54
.47–.51½	55	.44½–.47½	55	.58	55–60	.58	55–60	.40–.45	55	.40–.45	55–60
.47	63	.47	63	.56	54	.56	54	.40	54	.35	54
*c*85.00	49	.45	48	.60	54	.52	50	.35	54	.25	50
45	59	.45	59	.45	59	.45	59	.40	59	.50	59
.50	61 2/3	.50	61 2/3	.45	61 2/3	.45	61 2/3	.40–.45	61 2/3	.35–.40	61 2/3
.43	60	.43	54	.35–.51	60	.44–.51	54	.35–.48	60	30–.45	54
.50	60	.50	50	.60	60	.60	50	.50	60	.50–.55	50
.55	54	.55	48	.65	54	.50–.65	48	.45	54	.45	54
.45	60	.45	60	.62½	60	.62½	60	.40	54	.40	54
.45	56	.41	56	.67	48	.62	48	.56¼	48	.56¼	48
.40	60	.38	60	.45–.48	60–66	.45	60–66	....	....	....	.....
.52–.59	49	. 45	49½	*c*132.00	49½	*c*132.00	49½	.50	49½	.40	49½

TABLE II.—SAMPLES OF RATES OF WAGES AND HOURS OF LABOUR,

(c) LEATHER.—1. BOOTS

Province and Sample number	Cutters				Lasters				Stitchers			
	Sept., 1921		April, 1922		Sept., 1921		April, 1922		Sept., 1921		April, 1922	
	Wages per week	Hours per week	Wages per week	Hours per week	Wages per week	Hours per week	Wages per week	Hours per week	Wages per week	Hours per week	Wages per week	Hours per week
ONTARIO—												
No. 1.....	20.00–34.35	47	20.00–34.35	47	25.00–31.25	47	28.00–35.00	47	35.00	47	35.00	47
No. 2.....	24.50	50	14.50–29.00	50	27.00	50	30.00	50	....	....	....	....
No. 3.....	24.00	47	28.40	47	34.50	47	30.00	47	*d*14.00	47	*d*16.00	47
No. 4.....	35.00	49	30.00	49	25.00	49	30.00	49	*d*16.00	49	*d*14.00	49
No. 5.....	....	....	28.00	48	35.00	48	30.00	48	*d*13.00	48	*d*12.00-13.00	48
No. 6.....	30.00	46½	30.00	46½	28.00	46½	28.00	46½	35.00	46½	35.00	46½

d—Female.

FOR FACTORY TRADES, 1921 AND 1922—*Continued*

AND SHOES

Treers				Welters				Machine Operators				Finishers			
Sept., 1921		April, 1922		Sept., 1921		April, 1922		Sept., 1921		April, 1922		Sept., 1921		April, 1922	
Wages per week	Hours per week	Wages per week	Hours per week	Wages per week	Hours per week	Wages per week	Hours per week	Wages per week	Hours per week	Wages per week	Hours per week	Wages per week	Hours per week	Wages per week	Hours per week
....	....	......	....	35.00	47	41.25	47	16.00-27.00	47	17.00-24.00	47	21.00	47	21.00	47
20.00	50	21.40	50	......	....	....	....	*d*16.65	50	*d*13.70	50	18.00	50	18.90	50
33.30	47	28.00	47	41.45	47	38.00	47	25.00	47	26.00	47	32.50	47	28.50	47
13.00	49	13.00	49	......	....	....	....	25.00	49	25.00	49	27.00	49	27.00	49
....	....	......	....	50.00	48	50.00	48	*d*13.00	48	*d*12.00	48	28.00	48	20.00-30.00	48
30.00	46½	30.00	46½	28.00	46½	28.00	46½	12.00-23.00	46½	12.00-20.00	46½	....	....	....	....

TABLE II.—SAMPLES OF RATES OF WAGES AND HOURS OF LABOUR IN FACTORY TRADES, 1921 AND 1922—*Continued*

Province and sample number	Unit	(c) Leather—(2) Harness and Saddlery											
		Cutters				Harness Makers				Saddle Makers			
		Sept. 1921		April, 1922		Sept. 1921		April, 1922		Sept. 1921		April, 1922	
		Wages	Hours per week	Wages	Hours per week	Wages	Hours per week	Wages	Hours per week	Wages	Hours per week	Wages	Hours per week
ONTARIO—													
No. 1...	Day	4.50	54	4.05	54	4.50	54	4.05	54	5.00	54	4.50	54
No. 2...	Hour	.40	49½	.40	49½	.50	49½	.40	49½	......	....	......	....
No. 3...	Week	27.00–33.00	44	27.00–33.00	44	22.00–30.00	44	22.00–30.00	44	......	....	......	....
No. 4...	Week	20.00	50	20.00	50	....	....	22.50	50	22.50	50	22.50	50

Province and sample number	Unit	(c) Leather—(3) Tanneries															
		Rippers				Fleshers				Liquormen				Washers			
		Sept. 1921		April, 1922		Sept. 1921		April, 1922		Sept. 1921		April, 1922		Sept. 1921		April, 1922	
		Wages	Hours per week	Wages	Hours per week	Wages	Hours per week	Wages	Hours per week	Wages	Hours per week	Wages	Hours per week	Wages	Hours per week	Wages	Hours per week
ONTARIO																	
No. 1	Day	3.40	50	3.40	50	3.80	50	3.80	50	3.40	50	3.40	50	3.40	50	3.40	50
No. 2	Day	3.50	51	3.50	51	3.75	51	3.75	51	3.00	51	3.00	51	3.00	51	3.00	51

TABLE II.—SAMPLES OF RATES OF WAGES AND HOURS OF LABOUR IN FACTORY TRADES, 1921 AND 1922—*Continued*

Province and sample number	Unit	(e) Sash and Door Factories											
		Bench hands, Woodworking				Machine Hands, woodworking				Planer Hands			
		Sept. 1921		June, 1922		Sept. 1921		June, 1922		Sept. 1921		June, 1922	
		Wages	Hours per week	Wages	Hours per week	Wages	Hours per week	Wages	Hours per week	Wages	Hours per week	Wages	Hours per week
ONTARIO—													
No. 1...........	Hour	.55	44	.51½	50	.47½	44	.42½	50	.55	44	.50	50
No. 2...........	Hour	.60	49½	.57	49½	.65	49½	.65	49½	.45	49½	.45	49½
No. 3...........	Hour	.55	50	.50	......	.35	50	25–.30	......	.35	50	.30	......
No. 4...........	Hour	.75	50	.70	50	.75	50	.75	50	......	......	......	......
No. 5...........	Month	83.25	55	74.00	55	86.00	55	73.50	55	......	......	......	......

TABLE II.—SAMPLES OF RATES OF WAGES AND HOURS FOR FACTORY TRADES, 1921 AND 1922—*Continued*

Province and Sample Number	Unit	(f) FURNITURE																			
		Rip Sawyers				Band Sawyers				Wood Turners				Cabinet Makers				Finishers and Polishers			
		Sept. 1921		June, 1922		Sept. 1921		June, 1922		Sept. 1921		June, 1922		Sept. 1921		June, 1922		Sept. 1921		June, 1922	
		Wages	Hours per week	Wages	Hours per week	Wages	Hours per week	Wages	Hours per week	Wages	Hours per week	Wages	Hours per week	Wages	Hours per week	Wages	Hours per week	Wages	Hours per week	Wages	Hours per week
ONTARIO:																					
No. 1...	Hour	.35	55	.30-.34	50	.45	55	.40-.45	50	.45	55	.60	50	.40	55	.40	55	.41½	55	.41½	55
No. 2...	Day	4.50	54	3.60	50	4.50	54	3.80	54	4.50	54	3.60	50	5.00	54	4.05	50	2.70-4.00	54	2.70-3.60	50
No. 3...	Day	4.05-4.68	45	4.05-4.68	45	4.23	45	4.23	45	....	......	....	......	4.68	45	4.68	45	4.32	45	4 32	45
No. 4...	Hour	.55	50	.55	55	.44-.60	50	44-.60	55	.70	50	.70	55	.50	50	.48-.59	55	.46½	50	.40-.52½	55
No. 5...	Day	3.24 3 42	50	3.42-3.60	50	4.46	50	4.46	50	3.74	50	3.74	50	3.65-3.92	50	3.15-3.92	50	2.43-3.65	50	2.43-4.46	50
No. 6...	Hour	.47	48	.47	54	53	48	.53	54	....	......	....	......	47	48	.42	54	.45	48	.42	54
No. 7...	Hour	.33	54	30½	50	.36	54	31½	50	36	54	.34	50	40	54	35	50	.38	54	.36	50
No. 8...	Hour	39	54	39	44	.38	54	40	44	.28	54	.28	54	.35½	54	35	44	.35	54	.34	44
No. 9...	Hour	.44-.49	50	41- 45	44	.53	50	.52	44	....	......	....	......	.52	50	47	44	41-.50	50	.42-.45	44
No. 10..	Hour	.50	50	45	50	.45	50	.45	50	.45	50	.50	50	.50	50	.50	50	40	50	.40	50
No. 11..	Hour	41-.54	50	41-.54	50	.52-.68	50	.52	50	.57	50	.57	50	.47-.53	50	.50-.55	50	.47	50	.48	50
No. 12..	Hour	.47	50	.50	50	.47½	50	.47½	50	.55	50	.55	50	.43	50	40	50	.48	50	.50	50

TABLE II.—SAMPLES OF RATES OF WAGES AND HOURS OF LABOUR FOR FACTORY TRADES, 1921 AND 1922—*Continued*

Province and Sample Number	(g) Pulp and Paper															
	Grinderman				Beaterman				Screenmen				Finishers			
	Sept. 1921		April, 1922		Sept. 1921		April, 1922		Sept. 1921		April, 1922		Sept. 1921		April, 1922	
	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week
ONTARIO:—																
No. 1	.48	48	.40	48	.47	48	.39	48	.48	48	40	48	.49	48	.41	48
No. 2	.48	48	.40	48	.46	48	.38	48	.48	48	40	48	.48	48	.40	48
No. 3	....	......	....	......	.50	65	.50	65	.38	65	.38	65	.40	60	.40	60
No. 4	.48	48	.48	48	....	......	....	......	.45	48	.45	48	.48	48	.48	48
No. 5	.48	48	40	48	46	48	.39	48	.45	48	.37	48	49	48	.41	48
No. 6	.54	48	.54	48	.47	48	.47	48	.49	48	.49	48	.49	48	.49	48
No. 7	....	......	....	......	*b*3.20-4.30	48	*b*4.25	48	....	......	....	......	*b*3.80	52½	*b*3.80	52½

b per day.

TABLE II.—SAMPLES OF RATES OF WAGES AND HOURS OF LABOUR FOR FACTORY TRADES, 1921 AND 1922—*Continued*

Province and Sample Number	(g) Pulp and Paper															
	Acid Makers				Back Tenders				Digester Cooks				Machine Men			
	Sept. 1921		April, 1922		Sept. 1921		April, 1922		Sept. 1921		April, 1922		Sept. 1921		April, 1922	
	Wages per Hour	Hour per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per week	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week
ONTARIO—																
No. 1	....	.....	....	.....	.71–.86	48	.71–.86	48	....	.....	....	.....	.90–1.04	48	.90–1.02	48
No. 2	....	.....	....	.....	.98	48	1.02	48	....	.....	....	.....	....	.....	....	.....
No. 3	....	.....	....	.....	42	65	.42	65	.48	65	48	65	.52½—65	60	.52½–.65	60
No. 4	.77	48	.77	48	.83–1.19	48	.83–1.19	48	.83	48	.83	48	1.02–1.31	48	1.02–1 31	48
No. 5	.68	48	.68	48	.71–1.07	48	.88–1.07	48	....	.....	....	.....	.90–1.10	48	1 03–1.19	48
No. 6	.70	48	.70	48	.93–1.12	48	.93–1.12	48	.75½	48	.75½	48	1.13–1.25	48	1.13–1.25	48
No. 7	....	.....	....	.....	*b*3.60	48	b3.60	48	....	.....	....	.....	....	.....	....	.....

b—per day

TABLE II.—RATES OF WAGES AND HOURS OF LABOUR, 1921 AND 1922—*Continued*

Province and Sample Number	(h) Meat Packing															
	Slaughterers				Butchers, Cutters and Trimmers				Sausage Department							
									Cutters				Casing Makers			
	Sept. 1921		June, 1922		Sept. 1921		June, 1922		Sept. 1921		June, 1922		Sept. 1921		June, 1922	
	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week
ONTARIO:—																
No. 1	.55	55	.55	55	.50	55	50	55	.52½	55	.50	55	.55	55	.55	55
No. 2	....	.....	....	.....	.35	48	.34	48	.37½	48	.35	48	.39½	48	.34	48
No. 3	.50	55	.45	55	.40–.45	55	.40–.42	55	.50–.60	55	.54	55	.50	55	.45	55
No. 4	.60	50	.60	50	.60	50	.60	50	....	.....	....	.....	....	.....	....	.....
No. 5	.60	50	.50–.54	50	.50–.60	50	.45–.57	50	.45	50	.40	50	.50	50	.45	50
No. 6	.44–.50	47½	.47–.52	47½	.44–.46	47½	.44– 46	47½	.44	47½	.44	47½	.45	47½	.44	47½
No. 7	.50–.60	48	.41½–.52	48	.50–.60	44	.41½–.52	44–49	.48	48	.32½	48	.46	48	.38	48
No. 8	47–.58½	48	.45–.50½	48	.52½	48	.50	48	.46½	48	.42	48	....	.....	.40	48

TABLE II.—RATES OF WAGES AND HOURS OF LABOUR, 1921 AND 1922—*Continued*

Province and Sample Number	Meat Packing—*Concluded*																			
	Lard Makers				Meat Packers				Cellarmen				Curers				Fertilizers			
	Sept. 1921		June, 1922		Sept. 1921		June, 1922		Sept. 1921		June, 1922		Sept. 1921		June, 1922		Sept. 1921		June, 1922	
	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Wages per week	Wages per hour	Hours per week	Wages per hour	Hours per week
ONTARIO:—																				
No. 1......	.50	55	.55	60	....	......	....	......	.45	55	.45	55	....	......	....	......	....	......	....	......
No. 2......	.35	50	.35	48	....	......	....	......	.35½	48	.31½	48	....	......	....	......	....	......	....	......
No. 3......	.50	55	.45	55	.38	55	.38	55	.52	55	.48	55	.52	55	.50	55	.45	55	.45	55
No. 4......	....	......	....	......	.58	50	.58	50	.57	50	.57	50	....	......	....	......	....	......	....	......
No. 5......	.40–.45	50	.38–.42	50	.40–.45	50	.38–.40	50	.45	50	.45	50	....	......	....	......	....	......	....	......
No. 6......	.42	47½	.42	47½	.45	47½	45	47½	.45	47½	.44	47½	.44	47½	.40–.42	47½	.45	47½	.45	47½
No. 7......	.48	48	.34	48	....	......	....	......	.47½	48	.40½	48	.48½	48	.41½	48	42½	48	.38	48
No. 8......	.45½	48	.42	48	.45	48	.40	48	....	......	.45	48	.54½	48	.47½	48	....	......	.42	48

TABLE III.—SAMPLE OF RATES OF WAGES AND HOURS

Locality and Sample Number	Unit	(a) Logging							
		Choppers, Fallers, Sawyers, Buckers				Roadcutters and Swampers			
		1921		1922		1921		1922	
		Wages	Hours per week	Wages	Hours per week	Wages	Hours per week	Wages	Hours per week
ONTARIO—									
No. 1	Day	2.79	60	1.92	60	1.88	60	1.23	60
No. 2	Month	70.00	60	32.00	60	65.00	60	30.00	60
No. 3	Month	32.00	60	32.00	60	26.00–32.00	60	26.00–32.00	60
No. 4	Month	26.00–32.00	48–60	26.00–32.00	48–60	26.00–32.00	48–60	26.00–30.00	48–60
No. 5	Month	26.00–32.00	54	26.00–32.00	54	26.00–32.00	54	26.00 32.00	54
No. 6	Month	50.00–70.00	60	20.00–30.00	60	50.00–70.00	60	20.00–30.00	60
No. 7	Day	1.75	60	1.00	60	1.75	60	1.00	60
No. 8	Day	2.80	......	1.20	......	2.50	......	1.10	......
No. 9	Month	70.00	60	35.00	60	....	......	....	......
No. 10	Month	60.00	60	30.00	60	60.00	60	30.00	60

TABLE III.—SAMPLES OF RATES OF WAGES AND HOURS

Locality and Sample Number	Unit	(b) Saw Mills							
		Band Sawyers				Circular and Gang Sawyers			
		Sept. 1921		June, 1922		Sept. 1921		June, 1922	
		Wages	Hours per week	Wages	Hours per week	Wages	Hours per week	Wages	Hours per week
ONTARIO—									
No. 1	Day	9.00	60	8.50	60	6.00		6.00	60
No. 2	Day	7.20	60	8.00	60	4.00	60	4.00	60
No. 3	Week	48.00	60	42.00	60	....	......	....	......
No. 4	Day	8.00–9.00	60	8.50	60	....	......	....	......
No. 5	Day	7.00	60	6.00	60	....	......	....	......
No. 6	Day	8.00	60	7.50	60	4.50	60	4.25	60
No. 7	Day	9.00	60	8.00	60	6.00	60	6.00	60
No. 8	Day	8.50	60	8.50	60	5.50	60	5.00	60
No. 9	Day	5.00	60	4.50	60	10.00	60	8.00	60
No. 10	Day	8.00	60	7.50	60	4.00	60	3.75	60

OF LABOUR IN LUMBERING, 1921 AND 1922

(a) Logging

River Drivers and Boom men				Teamsters				Cooks			
1921		1922		1921		1922		1921		1922	
Wages	Hours per week	Wages	Hours per week	Wages	Hours per week	Wages	Hours per week	Wages	Hours per week	Wages	Hours per week
2.40	60	1.50	60	2.30	60	1.53	60	3.84	60	2.88	60
....	......	....	......	75.00	60	35.00	60	135.00	60	85.00	60
75.00	75	45.00–50.00	75	32.00	60	32.00	60	75.00	75	75.00	75
40.00–45.00	48–60	30.00–40.00	......	26.00–32.00	48–60	30.00–32.00	......	65.00–75.00	48–60	65.00–75.00	48–60
....	......	....	......	26.00–32.00	60	26.00–32.00	60	75.00	60	75.00	60
70.00	60	65.00	60	50.00–70.00	60	20.00–35.00	60	100.00	70	90.00	70
2.50	60	1.75	60	1.75	60	1.00	60	4.00	60	3.50	60
2.50	......	1.60–2.00	......	2.80	......	1.20	......	4.50	......	3.00	......
65.00	60	52.00	60	80.00	60	45.00	60	125.00	60	100.00	60
3.50	60	2.50	60	65.00–85.00	60	35.00–55.00	60	150.00	60	110.00	60

OF LABOUR IN LUMBERING, 1921 AND 1922—*Continued*

(b) Saw Mills

Edgers				Pilers and Stackers				Filers			
Sept. 1921		June, 1922		Sept. 1921		June, 1922		Sept. 1921		June, 1922	
Wages	Hours per week	Wages	Hours per week	Wages	Hours per week	Wages	Hours per week	Wages	Hours per week	Wages	Hours per week
5.00	60	4.75	60	4.00	60	3.25–3.50	60	9.00	60	9.00	60
4.00	60	3.60	60	4.00	60	2.75	60	....	......	....	......
24.00	60	22.00	60	19.50	60	15.00	60	33.00	60	25.50	60
4.25–5.85	60	4.00–5.25	60	3.85	60	3.50	60	15.00	60	14.00	60
3.50	60	3.25	60	5.00	60	4.00	60	9.00	60	8.00	60
4.75	60	4.00	60	4.25	60	3.50	60	11.00	60	10.00	60
4.50	60	3.50	60	4.00	60	2.75	60	9.00	60	9.00	60
5.00	60	4.40	60	4.00	60	3.25	60	7.00–9.00	60	7.00–9.00	60
6.00	60	5.00	60	5.00	60	5.00	60–70	11.00	60	8.00	60
4.75	60	4.25	60	....	......	....	......	5.50–8.00	60	5.00–7.50	60

TABLE IV.—SAMPLES OF WAGES AND HOURS FOR COMMON LABOUR IN FACTORIES, 1921 AND 1922

Sample Number and Locality	Unit	September, 1921		June, 1922	
		Wages	Hours per week	Wages	Hours per week
ONTARIO—					
Brantford	Hour	.44	48	.35	44
Brantford	Hour	.40–.50	44	.35–.40	44
Brantford	Hour	.40	50	40	50
Chatham	Hour	.25–.40	50	.25–.40	50
Fort William	Hour	.40–.43	45–60	.33–.36	54–60
Fort William	Hour	.40	60	.30	49
Hamilton	Hour	.45–.57	50	.40–.57	50
Hamilton	Hour	.34	50	.28– 30	45
Hamilton	Hour	32.–40	48	.32–.40	48
Hamilton	Hour	41	55	.40	55
Hamilton	Hour	39	50	.33	52½
Hamilton	Hour	.40	55	.40	55
Kingston	Hour	.32½	50	.25–.30	55
Kingston	Week	16.50–18.00	54	16.50–18.00	54
Kitchener	Hour	.40–.50	50	.40–.50	50
Kitchener	Hour	.40	45	40	50
Kitchener	Day	3.42	45	3.42	45
Kitchener	Hour	40	50	.40	55
London	Hour	.35	44	.35	44
London	Hour	.45	49½	.40–.45	49½
London	Hour	.30	44	.30	44
Orillia	Hour	.39	54	39	54
Ottawa	Hour	.34	44	.30–.34	44
Ottawa	Hour	.35	50	.32–.35	50
Ottawa	Hour	.40	44	.35	49
Ottawa	Hour	40	54	40	54
Peterborough	Hour	.35	48	.35	50
Peterborough	Hour	37–.41	45	30–.41	50
Peterborough	Hour	.30	60	.28	60
Peterborough	Hour	.35–.40	50	.35–.40	50
Port Arthur	Hour	.30	55	.27	55
Sault Ste. Marie	Hour	.28½	50	.28½	60
St. Catharines	Hour	.35–.45	50	.30– 45	50
St. Catharines	Hour	.35	55	.35	55
St. Catharines	Hour	.44	50	.40	50
Toronto	Week	18.00	44	18.00	44
Toronto	Week	16.50	46	16.00	46
Toronto	Hour	.30–.40	50	.30–.35	50
Toronto	Hour	.50	50	.45	50
Toronto	Day	3.50	60	3.00	60
Toronto	Hour	.34	55	.25–.35	55
Toronto	Hour	.37½–.42½	50	35.–.37½	50
Toronto	Hour	.40	50	.35	50
Toronto	Hour	.40	55	.35	50
Toronto	Hour	.40–.45	40	.40–.45	40
Toronto	Hour	.40	49½	.35	49½
Toronto	Hour	.36–.41	56–60	.36–.41	56–60
Toronto	Hour	.35–.40	44	.35	48
Windsor	Hour	.45	49½	45	49½

APPENDIX B

EMPLOYMENT OFFICE METHODS

C. W. E. Meath, Superintendent, Toronto Offices, Employment Service of Canada.

In dealing with the subject of "Employment Office Methods," it will be necessary for me to describe the work of my own office in Toronto, and at the close of my paper I shall be glad to answer any questions and exchange ideas in order that we may be mutually benefited.

The Toronto office is divided into the following sections: Men's industrial, men's farm, men's out-of-town labour, men's handicap, men's professional and business, boys' section, clearance section, record section, women's houseworkers, women's clerical and factory.

The applicant on first coming into the office passes through the general waiting room and goes to the "central registry," where two cards are made out for him, one being a white card on which is placed his name, address, nationality, single or married, and age. This card remains at the central registry, where it is filed alphabetically with the records covering all registrations in the office. The other card is also filled out with the same details and the applicant directed to take this card to the section concerned. Here the other details concerning his trade or calling are filled in by the interviewer dealing directly with the particular occupation mentioned on the card. This card remains within the section.

The men's industrial section has three subsections and has usually the heaviest registration in the office: Subsection "C" handles all factory labourers, builders' labourers, and ordinary unskilled labour of all kinds; subsection "B" handles the building trades and male houseworkers, such as chefs, cooks, butlers, porters, gardeners, etc.; subsection "D" handles the skilled trades, such as machinists, engineers, rubber workers, textile workers, weavers, motor mechanics, etc.

As this section is the heaviest and busiest in the office, all orders either by phone or from any source are taken by the person in charge of the section, and distributed to each interviewer in the subsection, but when the order has once been taken over by the interviewer at the subsection, he considers it a personal matter between the employer and himself, any further dealing being done direct from the subsection phone by the man who has actually referred the applicant to the vacancy.

The head of the section takes all details of an order on a "vacancy card," and hands the card to the subsection, the responsibilities for filling the order properly resting with the interviewer who knows his applicants.

All applicants' cards are filed according to occupation and alphabetically within the occupational groups, meaning, for instance, that all carpenters' cards are filed together alphabetically, the key card having been held at the central registry when the person registers. These key cards are filed alphabetically covering all registrations in the office, so that if we wish to find "John Jones, of 482 King Street," we go to the central registry and look up his key card and find he is registered as a "carpenter." We then go to the subsection where the carpenters are and find complete details of the man, the jobs he has been sent to and a record of how he has performed the various tasks assigned him from time to time.

In the case of the farm, professional and business, handicap, boys' and clearance sections, the switchboard operator puts the call through direct to these sections where the interviewer speaks with the employer. All mail orders are also handed direct to these sections.

The last named sections have private interviewing and waiting rooms, and in the case of the boys' section there is a separate entrance so that boys do not come in contact with the men in the general office at any time.

In the boys' section we register boys up to 19 years of age and at the present time we average about 40 placed every week. Great care must be taken with them. When orders are received for boys from employers of whom we have had no previous record, we investigate them very thoroughly to see that no exploiting is carried on and that proper conditions prevail before we send them out. This section is one of the most interesting of the office. The future men can be seen among these applicants. Some boys, like the men, must be pushed into work, while others cannot get enough of it. Our interviewer has great control over most of the boys, and they look to him for guidance and advice. We have registered over 2,000 boys for employment in the eight months since January 1st, 1922, the greater number, of course, in the school holiday period of July and August. They go to such work as office boys, messengers, factory help, fruit picking and farm help.

The handicap section has, at the present time, some 900 applicants registered for employment. They consist of ex-service men and civilian industrial handicaps, among the latter being a number of ex-service men who have become industrial handicaps since their war service, and whose disability cannot be traced directly to their service and for whom the pension board and department of soldiers' re-establishment take no responsibility.

The professional and business section registers accountants, civil engineers, electrical engineers, salesmen, etc., and we endeavour to give these applicants the utmost privacy in all their dealings with the office. Applicants in this section are usually of the educated class, as also is the case among the skilled workers in the industrial section, and we shield them from any embarrassment in their dealings with us. For instance, after full details have been procured on registration, we suggest that they can keep in touch with the section by phone, or if a vacancy comes in, to which we can assign them, we phone them. It is surprising how sensitive professional workers are when they find themselves unemployed and we do everything possible to give them the service without dwelling too much on the fact that they are unemployed. Of course, we try to do this throughout the whole office, but it cannot be done as successfully say at the labourers subsection where casual work is the rule.

Our P. & B. section has gained the confidence of employers in Toronto. An instance of this may be mentioned: Recently a large wholesale dry goods house telephoned the office that they were advertising in the evening papers for an accountant to take charge of their staff of 25 people. They gave us the order at the same time. There were 103 replies received from their newspaper advertisements, and we sent them but one applicant. Our man secured the job, and the firm state they will not advertise in future. We went over at least 25 accountants registered with us, and our choice was successful in landing the position. That firm realized that they could have saved the time in going over all those applications and the annoyance of interviewing over-zealous job seekers, by leaving the matter in our hands.

Too much detail cannot be secured from applicants in the P. & B. section. When an employer asks for an accountant or a salesman, he usually describes the vacant position in detail so that it is most important that full particulars as to the person's qualifications shall be on file in this section, as men of this class are usually of a sensitive nature and the preliminary choosing of the applicant should be done from the information at hand in the files and unknown to any of them, until it is decided who shall be sent to the employer for an interview. The placing of men of this class is most important, as they usually go to positions where they can turn future business to your office, and they do not usually forget their own experience in being successfully placed by the employment office. The loyalty of some of our best customers has been gained in this way after the persons themselves have been through the experience of being placed in a good position by the employment office.

In the women's houseworkers' section we have a casual workers' and a permanent workers' subsection.

The women's clerical and factory section is handled about the same as the men's P. & B. section, separate interviewing rooms being used and as much privacy as possible being given the dealings with all applicants.

Our scouts in Toronto cover their territories regularly, and even if business is not secured on each visit, yet the connection is kept up and results in keeping the employment office before the employer for his use when he has vacancies.

We have recently started a scheme in Toronto by which we use various members of our staff as speakers and when arrangements can be made, they go out to a factory or plant and give the department heads a talk on the work being done at the employment office. This has worked out splendidly and requests have been received from employers asking for a representative to speak to their people interested in our work.

We also make it a practice to have our interviewers visit the various plants to which they send men from time to time, and in this way they are made conversant with actual working conditions at these places, and can describe them to workers before sending them out.

The out-of-town labour section attends to the filling of all orders requiring the shipment of gangs of men, such as bushmen, lumber-mill men and railroad construction gangs. These gangs are shipped usually on the night trains. We look after the checking of all baggage, forwarding the checks to the employer, and also see that the men are properly located on the trains, the transportation being handed to the conductor. This section will ship about 8,000 men this season, so that you will see the turnover in this class of work means considerable to our service.

The clearance section is the centre of the clearance zone consisting of some ten employment offices, and is constantly in touch with these offices by phone, wire and mail.

The record section prepares all the reports required by the provincial and federal departments.

The men's farm section handles the farm and dairy help and this is a very busy section particularly in the spring of the year. Our placements in this section last year were over 6,000. Most of the orders from farmers are received over the phone, but we usually advise farmers to come in to the office themselves if possible and choose their own help from among our applicants.

Our aim in the Toronto office is to give the employer the service. A satisfied employer means continued business and we consider it much better to say that we cannot fill an order, than to send help which may fall down on a job.

It is difficult to get some organizations and people of kindly intentions to understand that the employment office does not do the employing, but simply refers competent applicants to vacancies. They refer some cases to the employment office and wonder why they are not employed at once, as though all we have to do at the employment office is to turn on a tap and produce jobs. They fail to take into account the employer, who after all is the one who does the employing. These people usually do not go into any of the details of the case, which are important in the matter of employment, but simply refer possibly destitute persons, and think they should be given employment because they are destitute. The case of a man who was referred to our office recently will illustrate this point. This man was a bookkeeper of exceptional ability, A-1 personality, neat in appearance and of good address and bearing. Our interviewer ascertained that he had recently been in court as a defaulter and had stolen several hundreds of dollars from his employers, yet the officer of the organization who had become interested in this man could not understand for some time why we could not secure him work in his own line. We finally placed him in other work where he had a chance to make good, but could not possibly send him to an employer in a position of trust because of his recent record.

There are men who come to me and say: "How is it I can never get a job here in this office, I have been registered for several months." There are good reasons, probably, over which we have no control, and there are persons who can never be placed in positions to which they aspire, because they will not take stock of themselves and make themselves worth while employing. After all, it remains with the individual; the employment office is simply a clearing house There will always be some unfortunates who are impossible from an employment standpoint for various reasons. It is found that these people are usually the hardest and noisiest "kickers," and the same thing in their make-up which makes them disturbers and agitators prevents them from securing employment. The post war years produced a number of this type, and they are a problem in the employment office.

We have been obtaining good results from a bulletin which we send out every two weeks to about 500 employers in Toronto. We list about a dozen applicants and describe their qualifications in detail. Employers appreciate this bulletin and we place a number of people each time it is issued. We also enclose a short statement on the condition of the labour market, showing the classes of help which are scarce and those of which we have a good supply.

In Toronto, we find the city newspapers only too willing to print interesting stories in connection with the work of our office. We use this medium in order to keep the office constantly before the public. It has proved to be good business, as advertising pays in employment work the same as in any other business.

In the employment office too much stress may be laid on the "applicant for work," and not enough attention paid to filling the employer's order satisfactorily. This is true particularly at the present time when men come into the office, who are "broke" and whose families need assistance. As a matter of expedience, these men may sometimes be sent on jobs where they do not make good, with the result that the employer is put to a great deal of annoyance and is sometimes seriously embarrassed. In my opinion, a great deal of harm is thus done the employment service.

When an order is given to one of our scouts, the fact is impressed upon him that he is then and there trusted by the employer to select for him a suitable person for the vacancy existing and if we fail to satisfy the employer, then we have lost a customer. It is explained to the scouts that it is the employer who keeps the office open and not the applicant for work. The employer furnishes the vacancies on which the office exists and what is the use registering thousands of applicants for work if there is no outlet for them. Therefore, the service should concentrate, first of all, on the employer.

We lay stress on the advantage of an employer being able to phone the Employment Office when help is required, and not being bothered with help gathering at his gates or his employment office, which is a loss of time to him. We also explain to him the Clearance System used in our service, where Local Clearing Houses linked up with Provincial and Dominion Clearing Houses scour the entire country until the right man is found to fill the job. Emphasis is also laid on the fact that a staff of experts is at their disposal who are acquainted with every trade and vocation, and who are above all, trained in sizing up human nature owing to the great number of people passing through the office. It is also pointed out to him that we probably have a complete record of the man's industrial career extending over a long period, showing how he has performed the various tasks we have assigned him from the Service at various times. Just at the present time, we have in Toronto, a record of over 55,000 men and 15,000 women giving more or less complete details on each person. The employer is shown the advantage of having this information available to him at any time.

It is important that the office shall be properly organized inside to deal with the orders coming in, as the wrong man sent to a job spoils any publicity or scouting that may have been done to influence the employer in placing his confidence in our ability to pick him the right employee.

"Fitting the right man to the job" is the slogan we use. Men are tested before being sent out of the office on a job. This is done by a series of questions, by looking up his previous employers and by reference to his past record on our files.

We have found that it pays to follow the classified advertising of the city newspapers each day. The four city dailies are carefully gone through by one of the staff and a special letter is sent to any employers advertising for help. In this letter we call attention to our service, and we have traced direct results from this "follow up" scheme. The indirect results in the way of paving the way to future business have been quite apparent and the service is brought directly to the attention of the employer when he is in the mood to take notice.

In Toronto we have the city divided into districts, each scout being held responsible for covering his own territory regularly and allowing nothing to get away from him. If a new building is to go up in a certain locality and we do not get any jobs on it, then there is only one person to whom we look for an explanation and that is the scout on the territory. They turn in a report each night showing the names of the firms called on, the person interviewed and the result. We transfer this information to a card system showing an individual card for every firm in the City, an item being entered as each call is made, so that we can check the co-operation or otherwise of any firm at any time.

Scouts are instructed to use straight business talk with employers. No charity arguments should be used in order to secure orders. The employer soon tires with this sort of business. They may give you an order through sentimental reasons but the business is not permanent. A connection must be built up between the Employment Office and the employer so that when he needs help the first thing he thinks of is your office knowing that when he calls there he will be efficiently served. In the majority of cases he will not do this if the charity end of it is emphasized, as he then looks on the Employment Office as a relief station rather than considering it as a permanent business institution the same as the Post Office, the Customs House, or any public utility. If the service is given the employer he will come back with more business. If the service is not efficient and fails to meet his demands he will not repeat and the jobs which are essential to the successful operation of the office are not forthcoming. Therefore, proper care used in filling the vacancy after it has been secured from the employer is the vital part of the securing of his business. Better not to send a man to him than to have him dissatisfied. The service will be judged by the way in which his demands are met. His confidence is gained in this way alone. Thus by efficiency of service confidence is gained and business may be secured from the employer.

PLACEMENT OF THE HANDICAPPED WORKER

T. G. Mill, Handicap Division, Toronto Office, Employment Service of Canada.

Where a large number of men must be handled the first and most important step is to see that they are properly classified. In an employment office it is not sufficient to classify the applicants by name, industrial qualification, and experience, we must go farther and classify our applicants more minutely. The physical and mental condition of the applicants at the time of registration must also receive consideration from the placement officer. It is quite common to find that a tradesman of twenty years' experience is unable to follow his trade either through physical injury, old age and its attendant infirmities, or disease. It is obvious that unskilled labourers also suffer from physical infirmities, mental incapacities and advancing age, which makes it difficult for them to qualify as efficient labourers. Some of these conditions may be temporary, some may be permanent, and still others may increase in severity, leading to the total incapacity of the applicant. We can readily see how difficult is the task of the placement officer who is called upon to handle thousands of men in a limited time. The proper estimation of a man's ability, trade experience, reliability, physical condition and mental attitude cannot conveniently be made over a counter and in the immediate presence of a dozen other applicants.

There are a great number of men who seek employment after failure in business, or who, for financial reasons, are forced to find employment in their old age. These cases require, and are entitled to, careful and patient consideration where the story of their circumstances and requirements may be considered in private.

Again there are many men who are unreliable, floaters, ten-day stiffs, tramps, and other varieties of casual workers. These men are never satisfactory to the employer who is looking for a reliable man for a permanent position, and a dissatisfied employer is the worst possible advertisement for the Employment Office. The Employment Office cannot become really efficient until it has eliminated undesirable characters from its lists and has properly classified its incapable and inefficient applicants.

While practical consideration of time and expense make it impossible and inexpedient to examine minutely all our applicants, we have found that a special section where certain applicants can be more efficiently classified is of great benefit and convenience to the Office as a whole and more satisfactory to the applicant.

In the Handicap Section we have registered over 1,000 cases who may be roughly divided as follows:

Suffering from physical injury	50%
Medical cases	30%
Mental cases	10%
Doubtful cases	10%

All applicants are registered at the general registration desk and are given the usual yellow card which is filed in the usual way. A special blue card is made out in the Handicap Section and the details contained in the blue card are regarded as supplementary information and the card is filed separately in the Handicap Section.

Our usual procedure in the Handicap Section is as follows: After the applicant has been seated and a few general remarks have been made with the object of making him feel at home and free to relate his trouble or difficulties, an endeavour is made to obtain his complete industrial history. Direct questioning is not always the easiest way to obtain this information and it is often necessary to disguise questions as general conversation. Once the industrial history has been obtained it is quite easy to obtain all other information required or volunteered. Much valuable information is often obtained at subsequent interviews and the applicant should be made to feel that he may call at any time for a chat without intruding.

At the present time there are approximately 600 returned soldiers registered in the Handicap Section most of whom are suffering from physical injury. It is important that these men receive careful consideration, not only because they served in the War but more particularly because they are injured and perhaps unfitted in some degree for their former occupation.

A complete industrial history from boyhood until the time of enlistment, subsequent training or vocational course and a detailed description of all occupations after discharge from the forces is obtained from all soldiers claiming disability. Amount of pension, if any, regimental number, etc., are further details which are often useful in sizing up a particular case.

A large number of men are medical cases, such as T.B., heart trouble, nephritis and so forth. All such medical cases are diplomatically encouraged to obtain a doctor's certificate as we consider that the onus of proof of inability to work is on the applicant.

Our mental cases are more difficult to handle and it requires considerable diplomacy to persuade the applicant to consult a psychiatrist. Notwithstanding these difficulties we have succeeded, with the hearty co-operation of the Society of Mental Hygiene, in obtaining a report on the mental condition of most of our cases of mental defects, as well as our obviously insane.

At this point I think it would be proper to express my personal thanks to Mr. Burnette, of the Society of Mental Hygiene, who has given me such invaluable assistance, as well as to Dr. Sharp, of the Provincial Health Department, who has so kindly volunteered to examine and report on a large number of difficult medical cases in the past year.

The cases marked doubtful are in some respects the most difficult to handle. Their industrial history is often vague and unsatisfactory, their claims of physical injury so difficult to substantiate, their symptoms so alarming and varied, their appearance and forbodings are often of such a nature as to cause the interviewer to fear their immediate collapse. Such cases require the utmost patience and the greatest tact and insight. They are the neurasthenics of civil life or war neurosis.

Perhaps a few typical examples from our files might be mentioned: A man who lost the third and little fingers of the left hand and received $1,000 in compensation, spent the money in idleness and regarded himself as a cripple for life. This man could not be persuaded to work until his relief was cut off and he found himself actually hungry. He then discovered that he could work and has worked ever since. Another man had an operation for appendicitis three years ago and had not worked since the operation. As the doctors pronounced him perfectly cured and quite able to work, his relief was cut off. Encouraged by the doctors' reports and persuaded by his wife he tried work and much to his surprise found that he still lived. To-day he is still working. Both these cases have been classed as Neurasthenic.

The man who was given work from this office 32 times during the year and who never stayed more than three days on a job is a typical example of the casual and unreliable worker, as is the man who was given four jobs yet failed to show up on any of these jobs. Such characters should be noted and classified, with due allowance for their physical and mental peculiarities. Such cases are classed as Unreliable. The man who is paralyzed in the left side and has a mental weakness besides, may, under certain conditions, be classed as practically unemployable. While the man who is a mental defective besides being deaf and rheumatic may well be classed in the same category.

The placement of handicapped men whether they be classed as physically injured or otherwise disabled calls for much the same common sense as does the placement of any other labour. Successful placement depends primarily upon the correct sizing up of the applicant and no pains should be spared to make our knowledge of the man as intimate and as extensive as possible. The next most important step is to get into personal touch with the employer as it is just as important for the placement officer to size up the employer and the job as it is to size up the applicant, and this phase of the matter should never be neglected.

One example of placement will be sufficient to illustrate my meaning. One morning I was informed by one of our scouts that a certain firm was contemplating a change in the factory and might consider the proposal to employ handicapped ex-soldiers. I interviewed the manager, the foreman and the forelady, inspected the machinery, obtained all details of the job and decided with their co-operation and advice that one-legged men who had lost the left leg could fill the position. Two days later I had eight one-legged ex-service men working in that factory. All went well for five weeks when the eight one-legged men, who worked on the night shift, went on strike for two and a half cents more per hour. The final result was that the whole gang were fired. Human nature is much the same whether we have one leg or two.

The successful placement of the handicapped depends upon the extent of our knowledge of the abilities and disabilities of the applicant. The physical injury or medical condition is often of very much less importance than is the mental attitude of the applicant toward his work and his injury. Many men with only slight physical injuries look upon themselves as cripples for life, send their wife and children to work, waste the time and take all the asisstance they can get from the charitable societies of the city and generally live a life of dependence. In many such cases we may disregard the nature or location of the injury and concentrate our attention upon the applicant's mental reactions towards his work and his environment, calculate his ability to master a new occupation, his power to readjust himself to new circumstances, his habits of emotional satisfaction, and above all the reality or depth of his determination to work. To sum up the matter in a few words, we have found by experience that a man is not handicapped so much by reason of physical condition as he is by reason of his inability to re-adjust himself mentally to his condition. Too often the handicapped find jobs because of the charitable or philanthropic motives of the employer. Too often such motives are effervescent, are here to-day and gone to-morrow, with the general result that the handicapped are the first to be laid off and find a very precarious livelihood at odd jobs. Too much effervescent sentiment and not enough earnest study and real practical help has marked our treatment of the handicapped.

The Employment Office at the present moment is wide open for the registration of any man, whether blind, paralysed, mentally defective or suffering from the infirmities of age, to register for work. The aged men from 60 to 90 have registered for work in this Office in large numbers. They constitute 17% of our registrations in the Handicap Section and there are a large number in the general section. Many firms in this city will not hire a new man over 40 years of age for various reasons. It is apparent that the problem of the aged applicant is one which a public employment bureau can hardly hope to solve and some policy based on experience might be laid down for dealing with such cases.

In conclusion, though the work in the Handicap Section is not easy, though one's patience is often tried, though disappointment succeeds disappointment, though the weaknesses and frailties of human nature are always with us, yet there are some rewards of work well done, some expressions of appreciation for our help. May I express the hope that the Employment Service will in due time become a more powerful factor in human reclamation.

FACTORY HYGIENE IN ONTARIO

As seen by a Factory Inspector

G. H. Bostock, Factory Inspection Branch.

Factory Hygiene has attracted attention since the 18th century, but more particularly during the last fifty years when medical and social scientists began to enquire into the life and longevity of workers in relation to their various occupations, the pioneers being scientists of note in Europe and later in the United States of America.

Following the work of these earlier observers, interest in the subject has spread until at the present time the volume of literature has become enormous, but only applicable to those occupations having a dangerous or hazardous outlook. From this data, numerous tables have been constructed, showing the percentage of deaths occurring in various manufactures and trades considered to be deleterious to general health. Many of these tables are unreliable being based upon insufficient investigation and a tendency to generalize from isolated cases. There has been too little stress placed on outside influences, such as the nature of the worker's home life and disposal of his leisure time. It has been demonstrated beyond any reasonable doubt, backed up by careful and prolonged observance, that there are many occupations which do tend to endanger the health and thus shorten the life of those engaged, owing to contact with materials used in manufacture and with the products obtained. In addition to these occupations should be added those callings which are chiefly mechanical, yet demand a mental activity only found in persons in a good state of health.

Statistics are of use in forming a general idea of the amount of danger to be expected in certain occupations, but so many factors have to be considered, such as age and general condition of health and fatigue, that figures which otherwise might be considered trustworthy may lose their significance. Enough is known, however, without going into specific details, to warrant the intense interest taken in what is now called Factory or Industrial Hygiene, having for its object the amelioration and, where possible, the prevention of the diseases arising from industry.

Factory Hygiene is best considered in connection with Factory legislation, and in taking up this phase of the subject it is interesting to trace briefly the development leading to the present excellent code which we now have in the Province of Ontario. The Factory, Shop, and Office Building Act of Ontario is based on legislation passed during the last century in Great Britain. The first Factory Act in that country became law in 1802, following the general adoption of steam-power instead of water.

It was the installation of steam power which caused so many small factories to be built and operated in Great Britain, and labour naturally flocked to where machinery was most active. Under such conditions it followed as a consequence that control passed from the hands of individuals, and became vested in the community. Since then many Acts of varying degrees of importance have become law, until at the present time the regulations under which factory workers are taken care of, fill a good sized book, and cover practically every phase of industrial life, making what was once a life of hardship, into a comparatively pleasant existence. This state of affairs has not been arrived at without much friction, as opposing interests have been and always will be at war, but the eventual outcome has been to train the individual worker and place him under the control of the community.

Hours have become shorter and wages higher, individual tastes have become merged in the general desire for the better conditions now possible, and we are in a position to look forward to the operation of the methods by which the health of the worker can best be assured. The control of health and safety in factories in Ontario is regulated by the Act mentioned above, and is enforced by Inspectors appointed by the Government of Ontario, each of whom has a clearly defined district assigned to him, and in which he is responsible for the proper observance of the regulations, which include the heating, ventilation, and sanitation of all buildings in which manufacturing processes are carried on.

Ventilation in all factories is desirable and is assured by constant inspection; mechanical and chemical tests are made at frequent intervals: the condition of the air is ascertained, and orders made for improvement where the vitiation of the atmosphere appears to require it. The standard room space is set at 300 cubic feet for each employee, and change of air must take place at a rate sufficiently rapid to keep the amount of vitiation below six parts per 10,000 parts of air, as measured by the amount of carbonic acid found, which in addition to the quantity normally present in pure air, brings the total amount of carbonic acid to ten parts per 10,000 of air. This may be considered as the practical limit of the most successful systems where mechanical means are not employed. Carbonic acid is the principal product of respiration, and as this gas bears a fairly constant proportion to the other constituent gases and micro-organisms which constitute the main evil of a polluted atmosphere, it forms a convenient and easily ascertained index of vitiation, although in itself not considered the most harmful.

A good system of ventilation also takes care of another factor of comfort to the worker in a factory, namely, the amount of moisture or humidity in the air. This is of the utmost importance to working conditions, as an excessive amount of moisture in the air brings about the feeling of inertia or fatigue often experienced by the worker when exposed to its influence for any length of time. A man can do work in a heated atmosphere with comfort if the air is reasonably dry, when at the same temperature he would collapse if the humidity were greatly increased. Fortunately this condition is also easily ascertained and is one of the routine field tests made by the chemist of the Factory Inspection

Branch, the effort being to keep the relative amount of humidity between 65% and 70% with the room temperature about 68 degrees F. When the conditions differ considerably from this standard, the factory inspector has power under the statute to compel the employer to instal means tor rectifying them.

Conditions in factories regarding the removal of dust still need improvement. Activities in this direction have produced good results, yet the field is one that offers splendid opportunities for greater achievement. In factories where dust is generated in the process of manufacture natural ventilation is not sufficient, and it then becomes necessary to employ mechanical means; this is effected by the use of suction fans driven by power, which are connected by air-tight pipes made from sheet metal to hoods or other devices covering the point of origin where practical, and otherwise adapted when hoods cannot be used either owing to exigencies in the work to be done, or from some other cause. The factory inspector suggests or approves a suitable adaptation to overcome the difficulty.

The means used must take into consideration the nature of the dust under observation, its weight and fineness, and any physical or chemical properties it may possess. Thus it is obvious that no set rules can be laid down for these widely divergent requirements, and it is often necessary to make special investigations involving both chemical and physical examinations of the system before the installation can be said to be satisfactory from the hygienic view-point. An examination to determine the dust contents and the rate of movement of air is made, usually by a chemist, before and after installation to obtain data for calculating the number of changes taking place during the hour.

It occasionally happens that it is desirable to demonstrate in a practical way by occular proof that certain dust is particularly dangerous owing to the shape of the particles. In that case advantage is taken of the microscope. A Petri dish is exposed at the breathing level for a stated length of time, depending on the amount of dust generated, and which varies from five minutes to half an hour or longer. The deposited dust is then examined under the microscope, and a photo-micrograph taken. The result shows the shape and angularity of the particles deposited on the plate, and from it a fair idea can be obtained as to the degree of danger.

The remarks made in relation to dust apply in the main to the removal of noxious fumes and vapours produced in varying quantities in many of the present day manufactures. This phase of the subject has come under observation in connection with the art of photo-engraving, where the contact of nitric acid with copper plates in the process of etching gives off copious fumes of the oxides of nitrogen. These gases are very deleterious to the health of the operator, as they are a strong and dangerous irritant to the bronchial and pulmonary mucous membranes.

In the instance mentioned, the proprietors of the establishments where the work was done, were ordered to provide closed-in cabinets furnished with a mechanical exhaust system, thus enabling the etching to be carried on in safety to the operator. Due to changing industrial processes many such cases are constantly coming under the observation of the factory inspectors. There are occasions when it is necessary for the chemist to work in co-operation with outside physicians. One instance may be cited. A workman's arms became covered with eruptions, and it was necessary to find the source of infection. The works were visited, the room where the man worked thoroughly inspected, and the employees doing the same kind of work interrogated, at the same time the various processes were followed through from start to finish. Eventually suspicion rested upon the fluid used as a flux in a soldering operation, which formed part of the workman's duties. A sample of the fluid was obtained, taken to the laboratory and analysed. The analysis showed it to be of a very caustic nature, and on the result being given to the physician, he pointed out that the fluid in question would produce the disease from which the man was suffering. On ceasing the occupation the eruptions disappeared. A peculiar feature of this case was, that other men doing similar work were only slightly effected. According to the opinion of the medical man, this workman was more susceptible to the effects of the chemical than his fellow workmen.

While on this subject, it would be in order to allude to the causal way in which the ordinary family physician may diagnose the sickness of the workmen to be a result of their occupation without taking care to verify their opinion, except so far as the history of the case is obtained from the patient himself. Occasionally it has happened that chemical investigation has not borne out the physician's diagnosis. Had the medical man first made a thorough enquiry into the conditions under which his patient had been working, before committing himself, a different opinion would doubtless have been given, instead of confirming the workman's conviction of his sickness being the result of his occupation. Nor does the harm rest here, for the patient on returning to work, inculcates, perhaps unconsciously, a feeling of insecurity among his fellow-workmen possibly leading through auto-suggestion to further similar complaints.

A physician who practises among industrial surroundings should be a trained industrial pathologist as well, and thoroughly cognizant of general factory conditions. Such a man is not likely to give any but a well considered opinion. Fortunately the industrial physician is coming to the front, and most modern clinics have one or more industrially trained men on their staff.

It often happens that complaints are sent to the chief factory inspector of factories where attention is especially required. No complaint is ever ignored, each is taken up and careful enquiry is tactfully made, and where conditions are found to be according to the information received, remedies are suggested and orders issued for their installation.

It speaks well for the hygienic conditions in the Ontario Factories that in the year 1920 only twelve complaints were received re poor ventilation, and eighteen re sanitation. In the year 1921, there were two for sanitation, and none for ventilation. During 1921 there was only one death in a factory from vapours and that was caused from fumes arising from an oil tank.

Periodically special surveys are made covering different manufacturing processes which might be injurious to the health of employees. Some of these are initiated by the employees themselves; and wherever it is considered necessary as a result of careful investigation, precautions are taken to guard against any lowering of the health standard. In the year 1922, surveys were made of garages, polishing plants and fur dyeing establishments.

The lighting of a factory has of late years become one of the most important problems in connection with industrial hygiene, especially as a means of reducing the number of general accidents; in fact it is just as important as the supply of fresh air. Workshops which are deficient in illumination are apt to become dirty and unwholesome, and the strain on the eyes of the workers engaged on the finer classes of manufacture is intensified.

The need of adequate lighting was recognized long before the present era of artificial illumination, but it is only of late years that attempts have been made to enforce this condition by the adoption of standards for each class of work. It is difficult to make hard and fast rules for any degree of illumination without sufficien data, but in the United States great strides have been made in this direction.

The Illuminating Engineering Society of the United States may be considered to be in the forefront of this development, although efforts have been made in the same direction by the scientific men of other countries, and legislation enacted in a few of them.

Many difficulties are in the way of making standards, and it is obvious that a regulation requiring "adequate" lighting would be a half measure, and only applicable to extreme cases Even taking daylight as an example, there cannot be any constancy in the illumination of the entire room, as it must vary with the meteorological conditions, such as sunshine and the time of day. Then again the number and size of the rooms, colour of walls, size of windows, and many other factors must enter into the consideration of any standards set up. The actual value of illumination at a given point can be obtained photometrically but it is not constant. Then the character of the work itself must be taken into account. In fact the difficulties in the way of any arbitrary setting up of a standard of illumination are enormous.

During the last few years progress has been made towards rendering the measurements of the light value more simple and accurate, and it is probable that before long the possibility of setting tentative standards will be attained. At present we are obliged to depend on the general recommendation embodied in the Statute, and do our utmost to obtain the best illumination possible at the time and place. Employers are already appreciating the value of well-lighted workshops, and are taking advantage of any new devices placed on the market for increasing illumination.

In the report of the Departmental Committee on lighting of factories and workshops to the British Government published in 1922, is a resume of the regulations issued by some of the States in America and in Europe, giving the minimum illumination stated in terms of foot-candles recommended for various classes of work, but these should be taken as for "good practice" only. As a matter of fact the values recommended in the American Codes are as a rule several times those which have been specified as a minimum requirement. The light values varies from 0.1 foot candle in storage places, etc., to as high as 20-foot candles for such work as watchmaking and engraving.

In the same report mention is made of the effect of lighting on ordinary accidents and of the large proportion due to insufficient lighting, also of accidents due to machinery in which a shadow cast upon a danger point was a contributory cause. Attention is called to the danger of making regulations for the minimum amount of lighting for industrial processes. In part it states:

> "Requirements must be kept low if they are to be enforced as the legal minima. On a large working plane—such for instance, as a broad loom—illumination must vary considerably, and points here and there may fall below a good standard without much harm, if the main area of work is well lit. On the other hand, the general standard of lighting in progressive factories has risen and is still rising. It would be unfortunate if a too rigid requirement, which, as we have said, must be kept low, tended to stereotype existing conditions, or even to give an excuse for depressing general practice . . . . we have accordingly accepted the alternative of specifying standards of illumination as "recommended practice" for "fine" and "very fine" work, rather than definite and legal minima. . . ."

Their general recommendation will appeal to most factory owners with the advice that the illumination at a floor level over the working areas of workrooms should not be allowed to fall below 0.25 foot-candles.

In Ontario the regulation is "that every factory, shop, bakeshop or office building, including all passages and sanitary conveniences used in connection shall be properly lighted so as not to be injurious to the health, safety and comfort of the employees." This leaves much to the discretion of the factory inspector, but in practice it is found to give general satisfaction to both employers and employees, as each case is taken specifically and friction reduced to a minimum.

Many of the larger factories in Ontario have installed first aid departments equipped with the latest appliances, with a medical man and trained nurse in attendance. They have lunch rooms and cafeterias, cloakrooms and every convenience for their employees. Some of the smaller factories, while not carrying the extensive equipment just mentioned, have facilities for personal hygiene and have committees appointed for the carrying out of any reasonable suggestions made for the comfort of their employees. Employers are fast learning the lesson that an employee working in comfort and with a mind at ease is far more profitable to him than in the opposite extreme.

The older factories are being replaced by new structures, well built and well lighted, with such conveniences as make for the comfort and efficiency of the workers. No factory is allowed to be built until the plans of the building have been submitted for examination to the architect of the Factory Inspection Branch. Each factory inspector in whose district the factory is being erected keeps in touch while the building proceeds, and work cannot be commenced until the Factory Inspection Branch issues a permit for that purpose.

Such is a broad outline of the conditions bearing on the general problem of hygiene in the manufacturing industries of the Province of Ontario. Eternal vigilance is the price of safety, and it is necessary to be constantly on the watch for opportunities of bettering the comfort of the workers, knowing that every improvement in their surroundings adds to their efficiency.

REPORT

OF THE

Minister of Education

Province of Ontario

FOR THE YEAR

1922

PRINTED BY ORDER OF
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REPORT

OF THE

Minister of Education

FOR THE YEAR 1922

To His Honour,
Henry Cockshutt, Esq., .
Lieutenant-Governor of the Province of Ontario

Your Honour,—

I beg leave to present the annual report of the Department of Education for the year 1922. The statistics are for the calendar year 1921 and exhibit the progress of the elementary and secondary schools in respect to (1) number of schools, (2) attendance, (3) professional training, (4) number of certificated teachers, (5) salaries paid to teachers, and (6) amounts spent on education by the provincial and local authorities. The appendices include the reports of departmental officers on the various educational activities carried on under the supervision of the Province.

The expansion of the school system from year to year is satisfactory evidence that Ontario maintains its deep interest in education and meets the larger requirements of the time with courage and enterprise characteristic of the people. The progress recorded corresponds with the increase of population, which in itself entails a steady annual increase in school accommodation and larger staffs. The higher costs involved, both for capital outlay and maintenance, are cheerfully met, and the readiness of the people to tax themselves in order to make the necessary provision is worthy of all praise. The generosity of the Legislature in voting larger sums of money from the provincial funds is also a gratifying proof of the general zeal for education. It may be well to set forth at the outset a statistical summary of the actual facts of the situation. As already noted, the returns in the following pages are for the calendar year 1921 in the case of elementary schools, and the financial statements of the secondary schools. The attendance in secondary schools is for the school year 1921–22.

Elementary Education

There was an increase of 100 in the number of elementary school houses in 1921. The total number was 6,901. The enrolled attendance was 585,213. This is an increase of 20,241 over the preceding year. The average daily attendance was 405,825, or 43,426 over that in 1920. The percentage of average to total enrolled attendance increased from 64.14 to 69.38. Under a new system—in operation for the first time in 1921—of obtaining the aggregate as compared with the possible aggregate attendance, there is full allowance made for those pupils who, in compliance with the law, entered school at any time after the opening of school in January or left before the close of the year. These statistics show that in 1921 the percentage of actual aggregate attendance to possible aggregate attendance was 86.18.

In 1921 a beginning was made in classifying the pupils in these schools according to age, sex, and grade. In table B those enrolled in the urban public schools are thus classified. The numbers given between the heavy black lines indicate the normal progression of the pupils, the numbers to the left show those more advanced, while those to the right of the lines show pupils who have been retarded owing to illness, irregular attendance, etc., or through being, at least to some extent. subnormal. These statistics show that 10.8 per cent. of the pupils up to and including the Fourth Book class are in the advance columns, 61.3 per cent. are normal, while 27.8 per cent. show varying degrees of retardation. Of the latter, however, more than half (57.8 per cent.) are only a year or part of a year behind the normally progressive pupils. This means that 11.7 per cent. of the pupils in these urban public schools are to some considerable extent subjects of retardation. Almost an equal number (10.8 per cent.) are in advance of their time.

The proportion of rural enrolment increased slightly (from 40.08 to 40.28 per cent.). The actual number enrolled in the rural schools increased by 9,307 or from 226,444 to 235,751.

The total value of elementary school sites, buildings, and furniture is $69,037,869, and the value of the equipment is $2,738,659. This is an increase of $8,214,415 in sites, buildings, and furniture, and of $462,462 in equipment.

Another advance in the average salaries of the teachers in these schools was made in 1921 as shown below:

	1920		1921		Increase	
	Male	Female	Male	Female	Male	Female
Rural Schools...............	$1,059	$868	$1,125	$961	$66	$93
Urban Schools..............	1,964	1,146	2,053	1,203	89	57
All Schools.................	1,575	1,000	1,628	1,079	53	79

The percentage of increase for the year is as follows:

	Male	Female
Rural Schools..	6.2	10.7
Urban Schools..	4.5	4.9
All Schools..	3.3	7.9

The percentage of increase in salaries of all elementary teachers, male and female, is 7.4.

Teachers with the higher grade of certificates command the higher salaries. This fact is shown in the following table:

	Salary 1920		Salary 1921		1920	1921
	Male	Female	Male	Female	Number	Number
First Class certificated teachers	$2,104	$1,075	$2,236	$1,180	1,303	1,276
Second Class " " ..	1,367	1,034	1,436	1,101	9,544	10,133
Third Class " " ..	873	768	928	845	1,160	1,146

These figures also show an increase of 589 in the number of Second Class teachers. The small decrease (27) in the number of First Class teachers is, no doubt, due to the advancement of this class to the Continuation and High Schools.

There were 14,404 or a total increase of 535 in the number of elementary school teachers and an increase of 135 in the number of men teachers in 1921. There were 1,641 male teachers, or 11.39 per cent. of the whole. In the previous year they formed but 10.85 per cent.

The Legislative grants to these elementary schools in 1921 amounted to $2,454,018, an increase of $841,181 over the previous year. The amount paid in teachers' salaries advanced by nearly two and a half million dollars, or from $13,070,038 to $15,473,049, while the total expenditure increased by $4,498,281 and reached the grand total of $29,714,793. The cost per pupil of enrolled attendance increased from $44.63 to $50.77.

Continuation Schools

The total number of Continuation Schools increased to 160 in 1921-22, or 16 more than in the previous year. (There are now over 180 of these schools). The expenditure amounted to $649,474, as compared with $473,085 in 1920. The cost per pupil increased from $81.24 to $86.53. The amount spent on teachers' salaries was $406,162, as compared with $317,602. The value of the equipment reached the sum of $134,714, or $17,085 more than in 1920. The enrolled attendance increased from 5,823 in 1920–21 to 7,505 in 1921–22. This is an increase of 28.8 per cent. More than half (51.17 per cent.) of the pupils are the sons and daughters of farmers.

Three-quarters (74.82 per cent.) of the teachers in these schools are women. In the previous year they formed 72.15 per cent.

High Schools and Collegiate Institutes

The 170 High Schools and Collegiate Institutes in 1921–22—two more than in the preceding year—had an enrolled attendance of 39,405 pupils or 5,277 more than in 1920–21,—an increase of 15.4 per cent. The Toronto High School of Commerce was transferred last year from the High School list to the Vocational School list. Including this school, as formerly, the increase in attendance was 19.1 per cent. The percentage of average to enrolled attendance increased from 84.83 to 86.94. The attendance was derived from the specified classes as follows:

Commercial, 23.62 per cent.; Agriculture, 25.68 per cent.; Law, Medicine, Dentistry, or the Church, 4.62 per cent.; Teaching, 1.40 per cent.; the Trades, 20.68 per cent.; Labouring occupations, 8.73 per cent., and other classes, 15.25 per cent.

The total expenditure on these secondary schools in 1921 amounted to $4,790,211 or $1,201,278 more than in 1920. The cost per pupil increased from $105.16 to $121.56. The expenditure on teachers' salaries increased by $261,682 and amounted in all to $2,531,069 or 52.83 per cent. of the total expenditure for all purposes. The total value of all school buildings and sites increased by $754,921 and now amounts to $9,569,685. An increase of $33,708 was shown in equipment. The total value of the equipment was $941,634.

Of the 1,302 teachers in 1921–22, 613 (47.08 per cent.) were men. In the previous year 48.63 per cent. were men.

Summary of Secondary School Attendance

Due in part at least to the Adolescent School Attendance Act, a large increase—22.5 per cent.—in the total attendance at the secondary schools for the school year 1921–22 over 1920–21 is recorded as below:

	1920–21	1921–22	Increase per cent.	
Continuation Schools	5,823	7,505	28.8	See note.
High Schools and Collegiate Institutes	34,128	39,405	19.1	
Day Vocational Schools (full time pupils)	2,600	5,344	56.7	
	42,551	52,254	22.8	

Note.—To obtain these percentages the enrolment (1,268) for 1921-22 at the Vocational School—the Toronto High School of Commerce—is placed in the High School list where it appeared in 1920–21.

Conference with County Representatives

An important conference upon the administration of secondary schools in counties took place in October. As the result of invitations to the County Councils, representatives of those bodies met to consider various phases of the secondary school situation, dealing with the future extension of advanced courses in rural areas, the financial support and the method of apportioning it, and the relation of the county authorities to the whole subject. A summary of the suggestions made by the committee to be embodied in legislation later on has been made public and may be given here:

1. Respecting Facilities for Secondary Education in Rural Districts. The committee is of the opinion that the facilities for full-time and part-time education should be extended as widely as possible to people residing in the rural communities, and makes the following suggestions regarding means.

(1) That the solution of the problem is to be found in the multiplication of continuation schools judiciously distributed over the counties.
(2) That these schools grow naturally out of the fifth forms of public schools and that they, in turn, be advanced to high schools when the increase in attendance warrants the change.
(3) That where advisable, continuation schools should be established in connection with consolidated schools.
(4) That in considering the question of the extension of schools due regard should be had to the possibility of serving wider areas through providing transportation by busses or otherwise when this means would appear to be better and more economical than through the multiplication of schools.
(5) That the provisions should be made in secondary schools not only for those who can attend school throughout the year, but also for part-time classes of instruction of pupils who desire to attend short courses.

2. Respecting the Equalization of the Support of Secondary Schools. The conference examined carefully the present mode of distribution which places the cost of education, after the government grants are deducted, (1) of resident pupils on the ratepayers of municipalities or school sections in which they are established, and (2) of county pupils on all ratepayers of the county including the municipalities in which schools are established.

The committee pointed out that this mode of distribution is not fair to all parties concerned because the ratepayers residing in the school sections or municipalities in which the secondary schools are established pay not only for the full cost of education of the children in those school sections or municipalities but are also required to pay their share of the cost of education of the county pupils.

The committee proposed two alternative schemes for equalization:—

(1) To continue the present scheme of support and to equalize it by relieving the municipalities included in the secondary school areas from contributions towards the cost of education of pupils who reside outside their own high school district.
Or
(2) To adopt a new basis of support which would divide the cost of education of resident pupils between the school sections and municipalities concerned and the county, and the cost of education of county pupils between the townships from which the pupils come and the county.

3. Consultative County Committee. The committee recommended that a county consultative committee be appointed as an advisory body when asked to investigate or report upon any matter relating to secondary education within the county. This committee should not assume any of the functions of the local school boards or of the county council's committee on education. It should consist of three members appointed by the county council, the county inspectors of the public schools, and an inspector appointed by the Minister of Education.

4. Equalization of Assessments. It recommended also that in view of the largely increased county grants for educational purposes, the attention of the Provincial Government be directed to the advisability of having the assessment law amended to provide for the equalization of the assessment rolls of a county by valuators only.

The Adolescent School Attendance Act

The compulsory attendance laws of the Province were revised and amended under the administration of my predecessor with a view of extending the period of education and of securing greater regularity of attendance, because it was recognized that the efficiency of a school system depends very largely on the extent to which the children of the country avail themselves of the instruction offered in the schools.

The reports of the Provincial Attendance Officer show that the authorities responsible in both the urban and the rural municipalities have very largely appointed Attendance Officers, and that in most cases these officers are performing efficiently the duties for which they are responsible under the Act, but in certain areas, more especially in rural municipalities, there is need yet for a more careful enforcement of the law.

The provisions of the Adolescent School Attendance Act relating to the extension of the period of education from fourteen to sixteen years of age have been very generally observed in urban municipalities. Surveys of several of the cities and towns show that a relatively small percentage of children of these ages are out of school. These results have been obtained in most cases without the serious opposition of parents. School authorities have shown commendable enterprise in the endeavour to provide adequate school accommodation for the largely increased attendance of pupils in the upper grades of the elementary schools and in the secondary schools.

Home permits and employment certificates have been granted freely by the Attendance Officers to those whose circumstances have made it necessary for them to work. The officers have been concerned mainly in making certain that all pupils between the age limits named in the Act are either at school or at work.

The section of the Act providing for part-time courses of instruction for those at work on home permits or employment certificates came into operation in September last, and some progress has been made in organizing such courses. The willingness of Boards to meet their new responsibilities has been commendable. Some of the Boards have already made quite adequate provisions for instruction, and many others are completing their plans for offering a much wider range of work when the schools open in September next.

The Supply of Teachers

The large attendance in the professional training schools, which is reassuring as a promise of an adequate supply of certificated teachers, may be attributed mainly to two causes: the higher salaries paid and the consequent lessened drain to the other provinces and to industrial and commercial pursuits. The attendance in Normal Schools—about 1,800—is the highest in the history of these institutions. The number of male students attending Normal Schools and other professional training schools is 441, and of these, 59 saw war service. It is manifest that male candidates for the teaching profession will increase as the salaries offered prove attractive enough to warrant ambitious young men in adopting teaching as a career, and that under modern conditions of life no other influence will restore the former proportion of men and women teachers. Meanwhile, the increase in the number of teachers with higher professional training now available for the schools is one of the most consoling facts in the educational situation. Fifteen years ago there were 3,500 teachers with third-class certificates, and this number has now fallen to 1,100, while in the same period the number of teachers with higher qualifications than the third-class certificates has risen from 4,600 to 11,000. The attendance at the various schools is as follows:

	Hamilton	London	Ottawa	Toronto	North Bay	Peterboro'	Stratford	Total
First-Class Course								
Female..........	47	70	30	76	....	....	....	223
Male............	4	26	6	39	....	....	....	75
Total....	51	96	36	115	....	....	....	298
Second-Class Course								
Female	158	169	191	195	193	170	181	1,257
Male............	19	17	43	25	36	26	33	199
Total.....	177	186	234	220	229	196	214	1.456
Kindergarten-Primary Course								
Total	....	....	....	38	....	....	....	38
Total.....	228	282	270	373	229	196	214	1,792

Total number of men........274

The Superannuation Fund for Teachers is now in a sound and healthy condition. By a beneficent change in the statute in 1921 the Provincial contributions were paid over to the fund and the steady increase of the surplus, with the interest accruing, warrants the hope that in due course additional benefits in the interest of retired teachers may be available. Already one-half of the contributions of teachers who have taught for five years and then retired from the profession are being returned to them, while the estates of deceased teachers receive the whole amount paid in during the lifetime of such teachers. The Act has been in operation since April 1st, 1917, and pensions are being paid to 373 persons, the total monthly payments being $11,464.47 and the total yearly payments $137,573.64. As a factor in strengthening the permanence of the teaching profession, the maintenance of this fund is of the utmost consequence.

A noteworthy event of the year was the conference which met at the Parliament Buildings, Toronto, in October, consisting of the Ministers, Superintendents and Deputy Ministers of Education of seven provinces of the Dominion to discuss the question of a national bureau of education and any other matters of common interest. The visitors, on the invitation of Hon. Mr. Drury, the Prime Minister, were the guests of Ontario, and their presence was greatly appreciated by myself and by all the officers of the Department. This meeting was the first of its kind. It is somewhat remarkable that while the provinces have met officially to discuss various subjects, such as finance, immigration and other matters during the past half-century, education has not hitherto invited to united action. This omission is quite natural, because education is expressly assigned to the provinces by the Constitution of 1867 and no friend of national unity and good relationship desires to interfere with the provision. It was made clear at the conference that no intention existed in any quarter to countenance meddling. Five cabinet ministers representing education in the legislatures of their respective provinces attended, and it was especially gratifying that the two oldest provinces, Quebec and Nova Scotia, were represented by their chief spokesmen on this subject. I take this opportunity of thanking all the delegates for their share in the work of the conference and beg leave to assure them that Ontario regards their presence on that occasion as a distinct honour done to the Province.

The progress made by the public libraries is notable. In 1922 there were 460 libraries with an estimated circulation of nine and a half million volumes. Ten new libraries have been set up since the previous year. The cost of providing books was $70,000 in 1918 and this charge increased to $164,000 in 1921. The training school for library assistants continues to be held and 33 students were trained in the school during the year. An interesting feature of library work is the increased attention given to work for the younger readers, and in this connection it should be noted that the City of Toronto has established the first exclusively children's library building in the British Empire.

The reports of the Principals of the Ontario Schools for the Deaf and the Blind show that these schools are in a flourishing condition. They are maintained for children, not for adults, and the employment of professional teachers with special aptitudes and training for the purposes of instruction has greatly added to the efficiency of the schools and the progress made by the pupils.

Respectfully submitted,

R. H. GRANT,
Minister of Education.

Toronto, March 1st, 1923.

APPENDIX A

REPORT OF THE CHIEF INSPECTOR OF PUBLIC AND SEPARATE SCHOOLS

To the Honourable R. H. Grant, M.P.P.,
Minister of Education for Ontario.

Sir,—I beg leave, herewith, to submit my annual report for your consideration.

I have the honour to be,
Sir,
Your obedient servant,
Jno. Waugh.

Toronto, January 16th, 1923.

Teacher Supply

The past year has witnessed the accomplishment of the solution of one of the most difficult and fundamental problems in connection with the Elementary Schools. The Minister was able to announce during the year that there was a sufficient supply of fully qualified teachers for all the Public and Separate schools in the well settled and progressive portions of the Province. In a year or two there will be a sufficient supply to make it essential for a teacher to ensure his reputation in order to be an acceptable candidate for a position.

The following are quotations from the reports of Inspectors of elementary schools:

"For the first time in many years all the schools opened in September with legally certificated teachers in charge."

"Our schools are better supplied with teachers this year than they were last. We have no teachers employed at the present time who have not had professional training."

"The character of the teaching reflects credit on the training schools. The beginners bring with them zeal and enthusiasm which carries them through many difficulties. I am of the opinion that I have now the best staff that I have ever had."

"Boards found little difficulty in obtaining qualified teachers in September. It would seem practicable in this district to reduce considerably the number of schools recommended for the special list of schools in which Third Class teachers may be employed."

The number of teachers holding Second Class certificates in 1922 is 10,589 as against 10,133 in 1921 or a gain of 456 teachers in a single year.

The number of Temporary certificates during the same period decreased by 257, a decrease of more than 20 per cent.

The improved conditions in this regard will go a long way toward the solution of a second problem, viz., that of permanency in the profession and permanency in the tenure of office in a particular school; and this in turn will result in greatly increased opportunities for the Elementary School Inspectors to improve education in their respective districts. So long as the teachers were mere transients, the Inspectors were faced with the never-ending task of Sisyphus. Under the new conditions, as the teaching staffs become more permanent, it will be possible for the Inspectors to carry out a definite line of educational development, each in his own area.

Some years ago the suggestion was made in one of these reports that there were obvious advantages in an exchange of Inspectors between one inspectoral division and another. The value of this proposal will come more clearly to the front under the new and more desirable conditions described above.

The increased permanency will set the Inspectors free from a great proportion of their most difficult and troublesome tasks, and they will thus be in a position to give more attention to inspiring and directing the teachers under their control.

Duties and Qualifications of Inspectors

The work of the Public and Separate School Inspectors has greatly increased in recent years. We are now in the midst of a great transition period in which changes of a more or less radical nature are taking place in our educational system. The responsibility of guiding the people aright at such a time rests largely upon the Inspectors. They are obliged to attend many public meetings for the discussion of educational questions of pressing importance; they must also attend to the work of school inspection and administration as well as to a rapidly increasing amount of office work and correspondence. To maintain the efficiency of their schools must be their constant aim; while at the same time, under modern conditions, they must assume a larger share in community life.

In view, therefore, of the increasing demands upon the time and thought of the Inspectors, it is quite evident that many of the present inspectorates are much too large. For some time it has been recognized by the Department of Education that no Inspector should have more than 100 teachers under his charge, especially where the majority of these are in rural schools. At present in many of the inspectorates this number is greatly exceeded.

It is evident also that the present supply of Public School Inspectors will be quite inadequate for the number of positions which will soon be vacant through retirement or otherwise and immediate steps should be taken to meet this contingency. When the County Council of Prescott and Russell advertised for a Public School Inspector, only three applicants presented themselves. One of these refused the appointment; the other two have since been appointed to positions.

It is suggested in this connection that the academic standing for an Inspector's certificate be an Honour degree in Arts, in a Canadian or British University, equivalent to an Honour degree in the Ontario Provincial University, obtained on a course selected by the Minister; and that the professional requirements be:

(a) Five years' teaching experience in the Province of Ontario, of which three shall have been in a Public or Separate School; or as an alternative for part of the three years' Public School or Separate School experience, such special additional training in a Normal School or College of Education as the Minister may direct, together with a period of approved apprenticeship with a selected Public School Inspector.

(b) The professional examinations for Inspectors' certificates.

Under the present regulations the candidates for Inspectors' certificates are mainly of two classes:

(1) Persons qualifying themselves for prospective positions as Inspectors of city schools who would not undertake the duties of a rural school Inspector.

(2) Men of long experience, the larger part of which has been acquired in the High Schools of the Province and whose Public School experience was obtained years ago.

There is, of course, a third class of candidates for these certificates consisting of men who with the required academic standing have had long and successful experience in the Public Schools of the Province, but their numbers are inconsiderable.

The change in the requirements with regard to experience would open the doors to a much larger number of candidates. It is, of course, true that in order to make any scheme workable for improving the inspectoral service, the remuneration should be increased. The success of the whole elementary school system depends to a great extent upon the Public School Inspectors, and the salary should be sufficient to attract successful teachers from any class of schools in the Province.

Changes in the Staff of Inspectors

During the year 1922 a number of changes occurred in the Provincial Inspectoral staff.

The educational services of Northern Ontario suffered severely by the death of Mr. L. A. Green in June. Mr. Green had been identified with the development of education in the District of Algoma from the time of the reorganization of the Districts after the retirement of Inspector McCaig. He lived to see the fruits of his labours in the development of schools in practically every part of the great area intrusted to his charge. From year to year as his tasks increased, he met them with renewed vigour and efficiency until a short time before his lamented death. He will long be remembered, not only for his educational work, but for his nobility and sweetness of disposition. He was succeeded by Inspector D. T. Walkom, transferred from the Cochrane area, who in turn was replaced by Inspector L. A. Marlin, M.A.

Mr. John Nelson, B.A., Inspector of Public Schools for the Counties of Prescott and Russell, died in September. He was a very valuable official of the Department of Education and a man of good judgment and great sagacity in dealing with very difficult matters. In all probability the complexity and responsible nature of his work and his whole-souled devotion to it shortened his days. Mr. Archibald McVicar, M.A., of St. Catharines, has been appointed his successor.

Inspector H. D. Johnson, of West Middlesex, has resigned his position after a service of many years. He is to be succeeded in February by Mr. J. H. Sexton, M.A., Principal of the Strathroy Collegiate Institute. Mr. Johnson, during his long period of service, has been one of the most faithful officials of the Department and with singular tact has been able to secure many needed reforms in his Inspectorate at the cost of very little friction with local authorities.

In September of the present year, Mr. G. A. Wheable, B.A., who had successfully passed his examinations for an Inspector's certificate in June, was appointed Assistant Inspector of Public Schools of the City of London, succeeding Inspector V. K. Greer who had, after the death of Inspector Edwards, been made Senior Inspector of the City. Mr. Wheable's valuable services to his country during the Great War and his personal popularity in the City of London with teachers and school authorities augur well for his success in his new field of labour.

Mr. A. W. Morris, who was recently appointed an additional Inspector for the City of Hamilton, resigned to accept the principalship of the Hamilton Collegiate Institute and was succeeded by Mr. E. T. Seaton, B.A., formerly of the Hamilton Normal School staff.

Mr. D. D. Moshier, an Inspector of Public Schools in the City of Toronto exchanged positions with Mr. MacKenzie, an Inspector of Public Schools in New Zealand. The arrangement for the exchange of services will terminate at the close of the present school year. Exchanges of this kind cannot fail to have their influence upon educational progress by enlarging the horizon, not only of those who themselves directly benefit by the exchange, but of all with whom they come into contact in the performance of their duties. I am glad to be able to report that Mr. McKenzie has already established for himself an honoured place in educational circles in the City of Toronto, and is carrying on his work with zeal and excellent judgment.

The Inspectors referred to in my last year's Report as having recently taken office have all been approved by the Department and are carrying on their duties with a considerable measure of success.

New Departmental Appointments

The appointment of Dr. Karr as Director of Rural School Organization, and the appointment of Mr. N. McDougall as General Inspector, made it possible for the Department to give a good deal more attention and direction to Public School Inspectors and School Authorities during the latter part of the year.

Dr. Karr's appointment released Assistant Chief Inspector, Mr. Chisholm, from the duties he formerly so ably performed in connection with the propaganda for consolidated schools and is making it possible for him to give special consideration to many types of difficult educational problems which are arising in all parts of the Province.

General Inspector McDougall assisted with the inspection of public schools in Wentworth, Lambton, Carleton, Prescott and Russell, and Algoma. In the case of the first three, this course was made necessary as the local inspectors were overloaded. In the case of Algoma and Prescott and Russell, Inspector McDougall filled the period between the decease of the local Inspectors and the appointment of their successors. He has done valuable work also in assisting the incoming Inspectors where their work presented special difficulty.

Reports from Inspectors

Very encouraging reports of the year's work have been received from the Public and Separate School Inspectors throughout the Province. While these reports show a keen appreciation of the many and varied educational problems to be solved, yet they are characterized by an optimistic outlook begotten of continued and substantial progress.

The great majority of schools are reported to be reasonably well equipped, while in almost every inspectorate more or less improvement was made during the year in school buildings and school grounds. In several of the cities very magnificent public school buildings have been erected, involving the expenditure of large sums of money. These buildings conform to the modern ideals of architecture and make adequate provision for all the requirements of the present Public School Course of Study. A question raised in this connection by some of the Inspectors is whether there should be a standardized type of school construction with a few standardized types of school buildings, the result of which might be that the ratepayers would secure a maximum of school accommodation for a minimum of cost.

During the last few years a staff of nurses and doctors, in the employ of the Department of Education, have been making a health survey in various school inspectorates of the Province. This work has been carried on without expense to the local authorities and the reports are gradually awakening the people to the urgent need of medical and dental inspection in our common schools. In a number of cases the Inspectors report that these surveys have been followed by local arrangements for the appointment of a permanent nurse to carry on the work of health inspection. Progress along this line, though necessarily somewhat slow, has been gratifying. Details of this work are given under "School Health Division."

Another gratifying feature of the reports from the various Inspectors is that almost without exception teachers' salaries are said to have increased during the year, notwithstanding somewhat adverse industrial conditions. This would seem to indicate that the people, as a whole, have a keen appreciation of the value of education in its relation to modern life, and are willing to make sacrifices in order that their children may secure an efficient school training. The very generous grants given by the Department of Education are also reported to have had a very marked effect in keeping up salaries and thus enabling trustees to secure fully qualified and competent teachers. Very many of the inspectorates have no teachers with lower than First or Second Class certificates, while in the other cases the number of teachers with lower grade certificates or permits shows a considerable decrease for the year. In the majority of the inspectorates there also seems to have been more permanence in the teaching staffs than has been the case for some years.

Many of the Inspectors situated in different parts of the Province, where conditions vary greatly, are agreed in their opinion that a larger unit of administration would be a great step in advance in our rural education. Their suggestion is that the present system of a Board of Trustees for each section should be replaced by a system of Township Boards of Trustees. Such a system it is believed would greatly facilitate progress along several lines.

Conditions in Northern Ontario

Dr. J. B. MacDougall, Assistant Chief Inspector for Northern Ontario, reports as follows: "The past year has seen distinct progress along both educational and administrative lines. There is still, however, the pressing problem of providing educational facilities for the sequestered groups of children who are in sparsely settled areas, along the railroad right-of-way, in the timber and pulp wood camps, and in various isolated spots chosen by the hunter, the trapper, and the fisherman.

"There are hundreds of such children unhappily placed. The remedies are few as the problem is difficult. The following have been applied: the creation of sections where numbers warrant; transportation by rail, motor, launch, or horse drawn vehicle where conditions allow; or boarding convenient to some existing school. Added devices and a special policy are essential—such as the travelling school or itinerant teacher, which plan space forbids enlarging upon. The Northern Academy at Monteith is proving a large factor in the solution and this type of school should be multiplied.

"There are also difficulties in connection with the financing of school sections in wild and unsurveyed parts of the north and in securing an adequate supply of competent teachers for such schools. The guarantee of debentures and generous grants by the Province have greatly assisted in overcoming these difficulties."

More Advanced Education for Rural Communities

I am very much pleased to note that during the year there has been considerable advancement made in the matter of providing more extended education for rural communities. This has taken place chiefly in three ways:

1. By greatly increasing the number of Fifth Classes in rural schools.
2. By establishing high or continuation schools at rural or small village centres that will conveniently serve rural districts.
3. By establishing consolidated schools which provide high school as well as public school training.

In regard to the wisdom of having a fifth class in an ordinary one-teacher rural school there has been much discussion. In this connection it is well that all concerned should remember that the fifth form is just as much a part of the Public School as any of the other forms. In fact, where there are no other convenient facilities for an education beyond the High School Entrance examination, it is very essential that the teachers, the inspectors, and the trustees, co-operate in carrying on fifth class work in rural schools as efficiently as possible, where there are pupils desiring to take up this work.

So far as consolidated schools are concerned there were 16 in operation during the whole or part of the year, while 10 others are in process of construction. These are situated chiefly in the Eastern and Northern parts of the Province. In every case they are very popular in the communities which they serve. In some cases it is reported that school sections which recently voted by large majorities against consolidation are now expressing their desire to join the consolidated area.

The reason for this sudden and complete change of view on the part of the people is that having seen the consolidated school in operation for a year they are thoroughly convinced that such a school offers, at a reasonable cost, much greater educational advantages than the ordinary one-teacher rural school.

The consolidated school buildings are constructed according to plans approved by the Department of Education They afford all the conveniences and comforts of the best urban schools and provide opportunity for carrying on, not only the ordinary public and high school courses of study, but such special courses in Agriculture, Manual Training and Domestic Science as the trustees may determine. In some cases in the consolidated sections large numbers of young men and young women, who are beyond school age, are attending these schools for the purpose of receiving instruction in certain subjects under the direction of the local Agricultural Representative and special teachers sent by the Provincial Departments.

School Attendance

In almost every case the public and separate school Inspectors report a gratifying improvement in attendance both as regards numbers and regularity. There has evidently been a more careful enforcement of The School Attendance Act. The Attendance Officers are reported to have discharged their duties more effectively than in the preceding year and to have acted also with commendable tact and discretion.

The following is a quotation from one of the reports: "It is pleasing to be able to report an increase in the average attendance since the School Attendance

Act came into force. During the Fall term it was not unusual to find when visiting the schools, that the average attendance had been 90 per cent. or over. This result is partly due to the activity of the School Attendance Officers and partly due to a quickening of the public conscience regarding the duty of parents to send their children to school regularly."

The total enrolment of the elementary schools of the Province for the year 1921 was 585,213. This is an increase of 20,241 over that of the preceding year. The average daily attendance was 405,825, or 43,426 over that of 1920. The percentage of actual aggregate attendance to possible aggregate attendance was 86.18. In securing the possible aggregate attendance, teachers were instructed to place in the proper column of the daily school registers the total number of days from the day of enrolment, or from the day that a child of compulsory school age should have been enrolled, to the end of the year, or to the time of his enrolment in another school, or to the date on which he legally left school. Therefore, the percentage attendance, 86.18, may be relied upon as giving a fairly accurate idea of attendance of the youth of this Province.

There were enrolled in the secondary schools of the Province for the school year 1921-22, 52,254 pupils with a daily average attendance of 44,831. Thus the entire enrolment in the elementary and secondary schools was 637,467 or 21.74 per cent. of the entire population of the Province.

Northern Academy

The Northern Academy at Monteith has continued to justify the expectations which brought it into existence. This school has now a complete staff of six highly qualified and efficient teachers who are carrying on the work of the elementary and secondary schools as far as Matriculation. About seventy-five per cent. of those enrolled are preparing themselves to teach in Northern Ontario. The results of the last Departmental Examinations were highly gratifying. The fullest provision has also been made in this school for physical education. It has been found necessary to increase the capacity of the school by fitting up a boys' residence and by the erection of a new school building.

The details of the building programme are set forth in the accompanying report made by the Consulting Architect.

In September, 1922, the Department of Education took over the Monteith Experimental Farm of seven hundred acres, together with the necessary stock, implements, and general farm equipment, as a school farm. Along with the Farm, the Department at the same time took over the power plant which furnishes power to the Hawke Lake Lumber Company and electric light for the school, farm, and village of Monteith. The school with its subsidiaries is thus in a position to furnish not only a thorough academic education but also a practical education in several of the most important occupations of modern life.

"Building operations being carried on at Monteith include the new School Building, the Central Power Plant, the drainage and sewage disposal systems.

"1st. The school consists of a building of one storey and a basement with the following accommodation on the ground floor: Assembly Hall, 30′ x 52′ with a stage 19′ x 12′; four standard class-rooms, each 23′ x 33′, a principal's room, teachers' room with lavatories off; and in the basement, Manual Training rooms, Domestic Science, Chemistry and Physics Laboratories, the latter two with preparation rooms attached; male teachers' room, and boys' and girls' locker rooms and lavatories. This building is of concrete in the lower storey, and of frame brick veneered in the upper, and is roofed with asphalt slate shingles. The brick used for face work is tapestry brick from the Provincial Clay Plant at Mimico. The building was staked out on the 14th of June and operations have been proceeding satisfactorily. It is expected that the building will be ready for occupation on the 3rd of January, 1923.

"2nd. The power plant is a brick building with concrete foundations, accommodating meantime one tubular boiler, but having sufficient room for two additional boilers of the same type to take care of the whole of the heating of the Institution. In the meantime the school only is heated from this plant.

"3rd. The sewage plant is a concrete structure consisting of an activated sludge tank and settling tank, to which the whole of the drainage from the Institution will be carried. Meantime, the school and the present residence are connected with this plant, which has been placed in a hollow near the river, so that the overflow can discharge into the stream without polluting it.

"4th. Minor alterations have been made in the present residence; and alterations have been made in one of the farm houses, to convert it into a residence for boys."

The School staff consists of the following:

G. S. Johnson, B.A., Principal; F. C. Hartley, B.A., Science and Mathematics; Miss Lois G. Black, B.A., Modern Languages and Literature; Miss Estelle M. Gillham, First Class Certificate, Art, General Subjects; Arthur Archibald, B.Sc.A., Agriculture and Manual Arts, Science; Norman Campbell, B.A., Elementary School subjects.

It is expected that it will be necessary to make still further additions to the building and accommodations, in view of the number of pupils applying for admission and of the importance of the work in this remote and rapidly developing section of the Province.

Re Schools in Fire Area, Northern Ontario

For the past two years Mr. George White, the Assistant Provincial Architect, who was designated by the Department of Public Works, at the request of the Minister of Education, has done valuable service in connection with the programme for better school accommodations throughout the Province. The advantages to this Department of having a competent and highly skilled architect at hand cannot be overestimated, either from the point of view of economy effected, or of the beauty and propriety of the school buildings which have been made possible. His services, too, have been of the greatest value in re-building the schools in Northern Ontario destroyed in the recent terrible conflagration. On this matter Mr. White's report is submitted herewith.

"The following work has been undertaken and has been carried on by this Department in connection with the providing of accommodation to take the place of schools destroyed by fire.

"*1st. Haileybury.*—Five separate buildings of one room each, of a temporary nature have been built, three on the old school site and two on the present school site. These buildings are now in occupation. The ruins of the Public School have been taken down, the debris cleaned out, and the salvage roofed in, and part of the basement is being used for lavatory accommodation in connection with the temporary schools.

"*2nd. Haileybury.*—A two-room school and a one-room temporary school have been built on the site of the Separate School and the ruins of the Separate School have been taken care of in the same way as in the case of the Public School.

"*3rd. North Cobalt.*—Two two-room buildings have been built.

"*4th.*—One-room school buildings are being erected at Evanturel, Thornloe and No. 2 Bucke.

"All the schools in the fire area are of frame, set on mud sills, and those at North Cobalt, the Separate School at Haileybury, Evanturel, Thornloe and No. 2 Bucke may eventually be placed on concrete foundations and be brick veneered.

"The Department has arranged for the full equipment of all the above buildings."

School Health Division

The work of the School Health Division is being carried forward successfully under the direction of Dr. J. T. Phair, who is to be congratulated besides upon having added to his honours by winning the Degree of D.P.H. (Doctor of Public Health), University of Toronto, a distinction shared with few others in the Province. His report is submitted herewith.

"The decision of the Department, some three years ago, to place a larger measure of emphasis on the close relationship between Good Health and Mental Efficiency, has evidently been more than justified, an increased interest in the question of School Hygiene having been noted throughout the year 1922.

"While no radical change has been made in the original programme of the Division, it was decided early in the year that the hope of making available for every child in the Province some effective type of School Health Service could best be realized by attempting to establish at least one rural unit in every county, hoping that its evident value would be sufficiently patent to the neighbouring townships to warrant the country-wide adoption of the suggested plan. We were prompted in this partly by the magnitude of the original task as compared with the staff available, and partly by a desire to make the physical examination, which had formerly been of necessity more or less superficial, as thorough as time and the co-operation of the parents would permit. With this end in view, the field staff completed the work begun last year in Wellington, Huron, Brant, Durham, and Carleton Counties, and entered Kent, Lincoln, Prince Edward, and Northumberland, and in all but one of these, combinations of rural and urban schools for the purpose of employing a permanent school nurse resulted. At the present time, some twenty of these units are in actual operation with two commencing operations at the first of the new year.

"In no instance in the units operating has the service been discontinued, and in most much satisfaction has been expressed with the work done by the nurse employed. This is particularly pleasing, as in many instances the plan was adopted by the local group purely as an experiment, and its permanent adoption is evident proof of the practicability of the Department's programme.

"In the larger centres in which some form of School Health Service had been previously carried on, the Department's suggestions for strengthening this service have in most instances been readily accepted, and the almost universal adoption by the entire Province of a standard physical record card is to be noted. There are now sixty-three centres in the Province equipped with full-time School Health Service, employing in all, six physicians, twelve dentists, and ninety-five nurses, an encouraging increase over last year.

"The Division's activities have not been solely confined to older Ontario, but much good work has been done in Haliburton, North Frontenac, North Addington and in the Districts of Sudbury and Algoma.

"Some interesting facts have been elicited as the result of the work of the staff, for example: the amount of unexplained malnutrition among rural children, the relation of physical sub-normality to academic progress; and with the co-operation of the City of Toronto staff, an attempt was made to estimate in a large group of children, the degree of mental and physical improvement, following the correction of previously existing physical defects.

"The Summer Class for School Nurses held under Department auspices during July and August had the maximum enrolment, and many applications for admission were received from outside the Province. The Course was evidently much appreciated, and those in attendance have in all instances gone back to their various centres with interest in their work materially increased.

"Much of the attention of the Division has been focused on the matter of improved School Sanitation, and an excouraging response has been received in many districts. It is planned to continue the stressing of this too often neglected phase of School Health Supervision throughout the coming year, and also to urge an increased appreciation of the value of practical Health teaching as a solution to many of the present problems in personal and community hygiene."

The Junior Red Cross

According to reports from various parts of the Province, increased attention is being paid to the sanitary condition of the schools. The Department's association with the Ontario Red Cross has again proved helpful. The work in the schools, carried on by the Junior Red Cross in association with the Schools' Health Branch is undoubtedly leading teachers to pay more attention to their pupils' health and the sanitation of their schools. Through the organization of the Junior Red Cross Auxiliary, the task of establishing habits of cleanliness of person and surroundings, good posture, caring for teeth, deep breathing, sleeping with open window and other such fundamental health practices, has been a rich source of training in self-government for the pupils. This plan, therefore, has the additional advantage of serving as a practical training in the subject of Civics as well as in that of Hygiene. It makes Health and Citizenship actual and vital school accomplishments. As the Normal and Model Schools are beginning to use Junior Red Cross, the general adoption of the methods may be expected before long.

The appeal made by your Department to the schools on behalf of the children who lost their homes and schools in and about Haileybury in the Timiskaming District last October has met with a liberal response. Up to the present date (Dec. 26th) the sum of $4,574.28 has been received from 601 schools, in addition to large quantities of clothing, books, and toys. Approximately $2,000 of this sum was spent for Christmas toys, sleighs, dolls, beads, skates, rubber shoes, pencil boxes, games and books. These were distributed before Christmas in all the homes.

There was thus a Christmas gift for every boy and girl provided by their school friends in other parts of the Province. This service has been under the care of the Junior Red Cross. It has provided the occasion for the exercise of practical unselfishness.

The balance of the Fund will be applied to the care of sick and crippled children in the Fire Area or to provide clothing as need may arise. Undoubtedly this interest in the helping of those in need is a valuable preparation for the larger duties which the children of to-day will be called upon to perform as citizens of the future.

Summer Courses for Teachers

The Summer Courses established at convenient centres throughout the Province, in order to give teachers an opportunity of securing higher grade certificates and special certificates in Art, Music, Physical Culture, Vocational and Auxiliary departments, were attended last mid-summer by over 2,000 public school teachers. It is gratifying to note that such a large percentage of teachers are eager to improve their academic and professional standing.

Auxiliary Classes

Rapid and gratifying progress is being made in the adjustment of the School Course to the needs of special classes of pupils, through the establishment of Auxiliary Classes. The benefits have not only fallen upon these children, but have occasioned relief and increased efficiency in the classes from which the children have been withdrawn.

There are now in Ontario seventy-four Auxiliary Classes, of which twenty-five were established during 1922.

Visual Instruction

The organization of Visual Instruction hinted at in my last year's report has been carried into effect by the appointment of Dr. L. B. Jackes as Director. At the present time some three thousand modern lantern slides have been secured by the Department, many of which have been made into sets, containing from thirty to fifty slides per set. Typewritten notes accompany each set. The material deals with Nature Study and popular science, also with the Geography and the History of the British Empire and a number of foreign countries. At the present time, there are in course of preparation sets of lantern slides dealing with Modern Italy, France, the Royal Ontario Museum, public health; and a larger series from very rare material depicting Canadian History in episodes from the time of Jacques Cartier to the present. Many of these slides were obtained by Dr. Jackes during his recent visit to Europe.

Teachers desiring the use of these slides, may obtain them, free of charge, by making application for them to this Department. Ten days is the limit of time allowed for their use.

Visits to United States Schools

During the year pamphlets were issued by the Department dealing with various phases of education in the United States. Very valuable contributions to this series of Educational pamphlets were made by Inspectors Hutchison, Benson, Marshall, Taylor, and by Messrs. Bell and McLaren. These Reports deal especially with rural school education, consolidation of schools, rural High Schools, qualifications of teachers and inspectors and methods of educational administration. The Reports cover Wisconsin, Michigan, Ohio, and portions of Indiana and Minnesota. A number of other Inspectors have been instructed to make further investigations this year upon questions of educational reconstruction which may be regarded at present as in only the experimental stage. It is hoped that investigations of this kind, and the exchange of teachers and inspectors now going on between this and other parts of the Empire will direct and encourage the expansion and development of our own educational system.

Elementary School Courses

One of the later acts of Egerton Ryerson was the introduction of the Limit Table, which practically made the Readers the basis of classification into Forms and which required a certain standard in all of the other subjects of the curriculum for promotion.

Ryerson's views were largely dominated by the educational theory, at that time much in vogue, of a well rounded and balanced education. Although this theory has at present much less influence on education than it had then, the Ryerson Limit Table has never been substantially modified. The changes from that day to this have been mainly in the direction of enlivening and broadening the Course of Studies so as to meet the increasing demands of modern society and the special capabilities of the individual pupils. It is singular that this Limit Table, which gave rise to a storm of opposition at its inception, was subsequently received with patient equanimity and has since contributed to his reputation as an educational reformer.

All this would seem to suggest the profound wisdom and foresight which he displayed, but the time has surely come for a careful testing of the principles upon which this Limit Table was founded, and for a readjustment, if in any respect these principles fail to satisfy the present trend of social and economic thinking.

One question persistently obtrudes itself on the mind of every thinking educationist, that is, the question whether we have sufficiently considered the natural order of the development of the human faculties in our present scheme of educational studies. Putting the matter concretely, are we requiring at an early age too great proficiency in Arithmetic, for example, in relation to progress in other studies? This question receives additional emphasis from the investigation of many school time-tables, which give approximately 20 to 25 per cent. of the school day to the study of Arithmetic and that too, although it may be questioned whether mental Arithmetic receives its due share of attention.

The greater portion of the early years of a child's school life may with profit be directed especially to acquiring a knowledge of the spoken and written language and even from the earliest years, considerable attention should be given—far more than is now the case—to clearness of enunciation, quality of tone and even purity of expression. It is to be feared and greatly to be deplored that, in these most important particulars, our every-day speech does not seem to be improving, even although illiteracy is fortunately decreasing.

Considerations of this kind induced the Department of Education in 1919 to modify materially the Regulations governing the requirements for the High School Entrance examination. These modifications had reference especially to the courses in Arithmetic, Grammar, Geography, and History, and were all in the direction of lessening the strain. A further revision of the "Regulations and Courses of Study for the Public and Separate Schools, 1915," is under consideration with a view to bringing them into closer conformity with the standards and requirements recognized to-day.

New Problems

Among the problems still awaiting solution there are two which are insistent; the first relates to providing the pupils in the remoter districts with suitable school accommodations and in some cases, with means of transportation. This problem is in some of its aspects linked up with the second which relates to the distribution of Legislative grants to equalize, so far as possible, the burdens of the taxpayers.

The present scheme of distribution of the Legislative grants was at its inception intended to increase the efficiency of the schools in important respects. Subsequent modifications were rendered necessary by the exodus of teachers from the schools and by the depreciation of salaries in relation to the standard of living. With the conditions which now happily prevail, it will become possible to readjust the distribution of these grants so as to equalize the cost of education among all classes of citizens. The outstanding difficulty, however, is that the present methods of assessment indicate very inadequately the relative wealth, and in consequence, the comparative needs of the different communities.

The Assisted School Fund and the Special Grants to meet special conditions are only applicable to those communities where the wealth and resources of the ratepayers in a given area are nearly on a parity. They clearly fail, for example, to meet the conditions in many rapidly developing residential areas for the industrial classes, where they would give little relief to the poor and would serve merely to enhance the profits of the speculators.

The attempt to provide educational facilities for every child in the Province and the liberal grants on teachers' salaries now offered by the Department have led to the setting up of a great number of small schools especially in the remoter and more backward areas, and also to the perpetuation of small schools already in existence. Many of these, through the falling off in the number attending, are being conducted with too small an attendance for practical efficiency.

Consolidation, if readily accepted, would obviously solve some of these difficulties. Section 74 of the Public Schools Act, 1920, and Section 3 of the Act respecting Consolidated Schools are intended to provide a remedy for special cases. An amendment passed in 1922 to facilitate the education of pupils at the most accessible school, is also a step in the same direction. But with all these agencies at work the problem is only half solved. Portions of Dr. McDougall's report quoted above under "Conditions in Northern Ontario," give some suggestions as to the method by which a further solution is sought.

It is believed that whilst some of these small schools may be necessary, a great many of them, at least in the class of those with less than 7 pupils, might with advantage be closed and the method of transportation so amply provided for in the Public Schools Act be invoked.

The method of transportation by water has been successfully called into play at Moon River, Pointe au Baril and the Ragged Rapids and everything seems to indicate the possibility of largely extending the method, especially in those areas where Summer Schools, conducted through the months from April to November, are in operation. The method of transportation by motor launch in some parts of Ontario unvisited by the Schoolmaster seems to offer possibilities for much larger school sections than ordinary as the homes of the settlers are close to the shore along the waterways.

Conclusion

The fundamental conditions of success in the work of inspection are of course an understanding of the child nature, a revealing sympathy with the teacher in his difficulties, courage, tact and courtesy in the performance of duties; and it is only fair to add that in all these respects, notwithstanding admitted defects and in some cases disabilities, the elementary schools of this Province are well served by the present highly qualified and efficient officials.

Permit me also to state that I believe there never has been a time in our educational history when it was more essential that character building and training for citizenship be given first place in the aims of our schools. For the highest success of the individual, for the welfare of the community and for the good of the nation, this ideal should prevail. If education is to enable us to do our best as a nation and as part of a great empire, it must be based on those moral principles for which our empire stands. The annual Empire Day celebrations which are conducted with much enthusiasm in the schools are proving a valuable means of fostering a truer and broader patriotism in the minds of those who will soon be guiding the destinies of our country.

I wish, on behalf of the Public and Separate Schools, to express sincere appreciation of the very valuable assistance rendered to the cause of education by the "Women's Institutes," "The Home and School Clubs," the "Parent and Teacher Associations," and various other organizations of a similar character which have lent valued aid and counsel to school authorities everywhere throughout the Province.

APPENDIX B

REPORT OF THE DIRECTOR OF INDUSTRIAL AND TECHNICAL EDUCATION

To the Honourable R. H. Grant,
Minister of Education for Ontario.

Sir,—

I have the honour to submit herewith my Annual Report on Industrial and Technical Schools.

I have the honour to be,

Sir,

Your obedient servant,

F. W. Merchant,
Director of Industrial and Technical Education.

Toronto, January 22nd, 1923.

Progress during the year 1921-22

An examination of the statistical tables attached to this report shows that the number of students enrolled in the vocational classes continues to increase.

In the day schools the total enrolment in full-time, part-time, and special classes for the year 1921-22 was 7,522, making an increase of 2,996 over the enrolment for the previous year. This large increase in the day class enrolment was made up, in part, of a satisfactory increase in the enrolment in the industrial and technical classes and, in part, by the transference under the provisions of the Vocational Education Act, of a number of high school commercial departments to the technical schools.

In the evening classes the enrolment for 1921-22 was 32,549, which, compared with the enrolment for the previous year, shows an increase of 5,248.

Increased Accommodation for Vocational Education

I pointed out in my earlier reports that the chief obstacle in the way of the establishment and extension of technical schools was the lack of accommodation and that boards found difficulty in supplying this lack on account of the excessive cost of equipment for technical education. This obstacle is now being rapidly removed. Tbe liberal grants of the Department of Education, made possible in part by the grant of the Dominion Government, have enabled local school authorities to enter upon extensive building programmes.

A recapitulation of the building projects that have been completed, are under way, or have been adopted, will show that much progress has been made by boards in providing facilities for vocational education.

In 1919 the City of Ottawa completed an addition to the technical school to provide needed shop accommodation and to relieve congestion in the school. The attendance at this school has increased to such an extent that the accommodation which in 1919 was thought to be ample for years has become quite inadequate.

Niagara Falls was one of the first places to take advantage of the grants on capital costs, and erected a new building adjacent to the Collegiate Institute for the use of vocational classes. The accommodation provided .in this building has become overtaxed, and the local school authorities are reported to be considering the question of the addition of four class-rooms for technical purposes.

Sudbury in 1920-21 erected on the high school grounds a separate building devoted exclusively to vocational education and specially planned to provide facilities for mining classes. Here also the attendance taxes the capacity of the building.

In the same year Fort William erected a special wing to the new Collegiate Institute to be used for vocational classes. The buildings in both Sudbury and Fort William were occupied in September, 1921.

A very fine new building in Sarnia designed to provide accommodation for all types of secondary education, academic, industrial and technical, commercial, home economics, part-time and special, was completed in September, 1922. The opening of this school, with its excellent shops, laboratories, assembly hall, and facilities for household science and arts, and physical training, furnished another example of the well-known truth that increased and improved school accommodation means increased enrolment and improved attendance. In this case the new building provided not only better accommodation for the usual secondary school classes, but also facilities for vocational education for a large group of adolescents for whom the ordinary programme makes no provision.

Sault Ste. Marie adopted the policy of providing for vocational education in an independent school, quite separate from the High School. One o the factors determining this policy was the need for locating the school in a part of the city where it would be readily accessible for evening classes and part-time students. This school was opened in September, 1922. The enrolment was, as in the case of Sarnia, highly satisfactory.

The main building of the Hamilton Technical School, which has been under erection for the past year, was ready for occupation in September, 1922.

The completion of the large new Windsor-Walkerville Technical School has been delayed somewhat through lack of material and labour at critical moments. It is expected that this school will be opened in September, 1923. In the meantime, the Technical School Board has provided for the vocational classes by securing accommodation in the Windsor Collegiate Institute and the Walkerville High School.

Work on the new Branch Technical School in East Toronto is proceeding satisfactorily, and it is probable the building will be ready for use in September, 1923.

The City of St. Catharines is dealing with the problem of vocational education on the plan adopted by Sarnia. The new building will make provision for all types of secondary education, including instruction in agriculture. The erection of this building has proceeded rapidly, and the school will be ready for occupancy in September, 1923. The school will furnish an excellent addition to the educational facilities of St. Catharines.

Guelph also has adopted the policy of the composite school, and is erecting a new building on the Collegiate Institute grounds near the old school. This school also will be opened in September, 1923.

Kitchener is providing for a composite school by erecting a new building adjacent to the old school, with the necessary accommodation for the types of technical education needed in that city.

Renfrew is erecting a building for composite school purposes of a type somewhat different from those just mentioned. Accommodation is being provided to furnish opportunities for vocational classes mainly along agricultural lines.

Galt has been considering the problem of providing technical education for its youth. Plans and specifications for a large addition to the Collegiate Institute have been submitted to the Department and approved. A contract for the erection of the building has recently been made by the Board.

Plans for a vocational school designed to meet the needs of Weston have been submitted to the Department and approved, and the Advisory Committee intends to proceed immediately with the work.

Owen Sound has adopted a scheme for providing vocational classes and the plans have been approved by the Department.

The need for vocational schools is shown by the willingness of local municipalities to provide their share of the expenditure for buildings and equipment.

The following table shows the value of the accommodation for vocational education that has been provided in the last three years or is being provided in the places mentioned. In some cases the accommodation is in a self-contained vocational school, in others it forms a separate wing or a portion of a so-called composite school specially set aside for vocational classes.

Ottawa	$115,000 00
Niagara Falls	177,448 00
Sudbury	255,000 00
Fort William	233,284 54
Sarnia	343,092 50
Sault Ste. Marie	255,000 00
Windsor and Walkerville	800,000 00
Hamilton	755,998 00
Toronto (East End Technical School)	820,000 00
St. Catharines	231,806 48
Guelph	214,198 70
Kitchener	270,073 69
Galt	252,000 00
Weston	120,000 00
Renfrew	86,813 39
*Owen Sound	200,000 00

Summer Schools for Teachers of Vocational Subjects

The second annual session of the summer school for the training of teachers of vocational subjects was held in the Central Technical School, Toronto, from July 3rd to August 4th, 1922.

The total enrolment was as follows:—

	First year	Second year.
Men	17	13
Women:		
Dressmaking Group	27	15
Millinery Group	15	3
Teachers' Group	14	11
	73	42

*Approximate value.

The second year students consisted of those who had completed satisfactorily the work of the first year as given in 1921. The first year students were made up of three groups: (1) teachers of trade or technical subjects who held temporary certificates; (2) other persons with approved qualifications looking forward to teaching vocational subjects; (3) teachers holding certificates in domestic science who wished to take the practical course in dressmaking.

The men's classes were composed of teachers of machine shop practice, motor mechanics, carpentry and cabinet making, electricity, power plant operating, and mechanical drawing. The women's classes were composed of teachers of dressmaking or millinery or other persons taking the practical work in preparation for teaching these subjects.

The courses of study included (1) Principles of teaching; (2) School management, for all except professional teachers; (3) Special methods of instruction in vocational subjects; (4) Courses of study and lesson plans for all students in training. The women had, in addition, practical work in dressmaking and millinery.

The work of the session was completed satisfactorily by thirteen men and twenty-three women of the second year group, and by fifteen men and forty-one women of the first year. Those who have completed the work of the second year will be awarded interim certificates if the teaching methods used by them are reported as satisfactory by the Inspector.

The present arrangements for training teachers of vocational subjects require the student in training to attend two summer sessions, each of about twenty-five days of instruction of five hours per day. This arrangement is temporary, pending the establishment of a permanent training institution, and is expected to terminate in September, 1924.

The experience of the past two years in the summer school shows that the time available is not adequate to give the amount and kind of training that is desirable. Not only is more time needed for instruction in the principles of teaching and in school methods, but much more time is needed for practice teaching. Each student in training should have an opportunity to teach in actual classes of adolescents some twenty to thirty practice lessons before being certificated as a competent teacher. The necessity for the establishment of a training institution offering facilities for practice teaching is steadily becoming more urgent. The supply of well-equipped instructors in vocational subjects is not equal to the demand.

Part-time Classes

Every urban municipality with a population of 5,000 or over is required to establish and to maintain part-time courses of instruction for the education of adolescents who have home permits or work certificates. Since the majority of the young people who are required to attend such courses are engaged in wage-earning, it may be expected that they will wish to take part-time instruction related to occupational interests.

The fundamental purpose of the part-time school is to bridge over the gap between the full-time school and the full-time employment, to help the young worker in the difficult task of adjustment to a new environment. The state has a vital interest in this period of adjustment, as upon its success or failure will depend the health, the vocational efficiency, and the character of its future citizens.

The part-time school is the agency of the state, which, acting as the guardian of the child, will see that he is aided in choosing a useful career for which he is fitted, and that he is afforded every assistance in fitting himself for that career, both as a worker and as a citizen.

In more concrete terms, the aims of the part-time school have been stated as follows (Prof. Myers in "Vocational Education," November, 1922):

1. To increase the proficiency of its pupils in the jobs they now hold, however temporary these jobs may be.
2. To help them to get into work for which they are well fitted by native ability, interest and temperament, and then to train them for this work so far as school training is necessary.
3. To help them obtain from their employment the best training that it has to offer.
4. To help them protect and, if possible, improve their health under employment conditions.
5. To help them understand and interpret in terms of their jobs some of the more fundamental economic principles underlying industry and business.
6. To help them see and assume the growing civic responsibilities that come to them as workers.
7. To help them form habits of work and habits of using leisure time that will contribute to their health, success, and personal growth.
8. To help them develop attitudes of mind towards work, towards employers, towards their fellow-workers of whatever nationality, and towards the community, that make for good citizenship.

The vocational schools in the cities are making a fair beginning in establishing part-time courses. In Hamilton the authorities in charge of the Technical School have their arrangements completed for taking care of some twelve hundred adolescents between the ages of fourteen and sixteen. All adolescents at work on employment certificates in Sarnia are in attendance at part-time courses. One hundred and seventy-eight part-time pupils are enrolled in the London Technical School, and three hundred and twenty-six in the Central Technical School in Toronto. Accommodation for part-time classes is being provided in all the new buildings being erected for vocational education.

Co-ordinating Officer

The programme of a vocational school is planned to give those in attendance (1) a good general education and (2) a special training in preparation for entrance into some wage-earning occupation. The essentials for a general education are fairly well known, but the requirements for special training vary greatly in different times and in different places. That this special training may best meet the needs of the time or the place it is important that the school keep in close touch with the occupational opportunities of its graduates. Further, it is equally important that the educational opportunities of the school should be made available not only to all who may be looking forward to entering wage-earning occupations, but also to all who are already in the occupations.

The attention of Advisory Committees should be drawn to the fact that the Vocational Education Act provides a method for keeping the school in close touch with the employments of the community. The method is by the appointment of an officer whose special duty it is to co-ordinate the work of the school with the needs of the outside world.

This co-ordinating officer should bring to the attention of employers and employees the work of the school and make the necessary arrangements with employers, employees, and the school for part-time, co-operative, apprenticeship, or other special classes. In performing these duties he should visit the homes and places of employment of adolescents, apprentices, and other young people to explain to them the opportunities offered by the school in these classes. He should keep in close touch with the principal fields of employment of young people in order to determine what educational or training attainments are needed for entrance into each field or for promotion in the field. He should seek the co-operation of employers in organizing part-time classes for employees and in placement of pupils leaving school for employment. He should make suggestions to the teachers and principal about any adjustments in the courses of study and methods of instruction that will more effectively meet the requirements of the vocations and needs of the pupils. His function, therefore, should be to bring the school to the people and the people to the school.

The first school in Ontario to appoint such an agent is the Central Technical School, Toronto, where a co-ordinating officer entered on his duties on January 1st, 1923.

Haileybury Mining School

On October 4th, 1922, a disastrous fire in the areas adjacent to Haileybury swept down on the town and practically wiped it out. Fortunately, the Haileybury High School and School of Mines escaped destruction and afforded a place of refuge for many of the homeless. On October 24th Principal Tuke reported that the school had been reopened, and stated, "There are not many pupils back yet, owing to the fact that regular car service is not resumed to Cobalt. From enquiries I learn that the number who have removed too far to attend this school is much smaller than I expected. There should be close to 200 of the 233 enrolled before the fire who can come back. It has been one of the compensations of the situation to find what a hold the school has on the affections of the students and the confidence of the parents and to what an extent its operations are holding the population in this vicinity."

The following extracts from communications from Mr. Tuke are a tribute to the energy and devotion shown by members of the staff during the disaster:

"I am at last taking a little time to report to you that the buildings of the High School and Mining School were not destroyed or damaged by the fire. They were used as places of refuge for a large number the night of the fire, and though in danger once or twice, did not at any time actually take fire."

"The High School is still being used as a relief station, about thirty people, at first over a hundred, being housed and fed here."

"Miss Hutchinson has done wonders; she carried water and secured food from the burning houses so as to serve the refugees on the night of the fire; gave first aid to sufferers and kept her head in face of danger; she has nursed the sick, planned meals, issued clothing, and generally shown herself a marvel of efficiency."

"Miss Best and Miss Stewart did work scarcely second to that of Miss Hutchinson in caring for the refugees. Their actual physical labour and unselfish devotion to their work were no less than hers."

"Mr. Pickard and his wife are working on the Central Relief Committee, Mrs. Pickard having charge of the clothing distribution."

"Mr. Clemmer, mathematics teacher, did heroic work fighting the fire at the station and other points, and after the south and centre of the town were on fire came up to our end and saved my house by working on the roof in the face of a terrific gale. He worked the rest of the night at the numerous fires starting up in the woods and clearings and gave efficient service with the relief work."

"The confidence and determination of the people here are amazing. The work of restoring public service has gone on with unbelievable rapidity, and the spirit of sacrifice shown by the people, many of them sufferers themselves, in helping the less fortunate, the generosity of our Cobalt and New Liskeard neighbours, the failure of their merchants to take advantage of the situation and the whole-hearted response from Ontario and the rest of the world in general restore one's faith in human nature."

Commercial Education

The Vocational Education Act of 1921 made provisions for the organization of commercial departments in connection with vocational schools. Prior to the passing of the Act all commercial instruction in secondary schools was carried on under the High Schools Act.

Such instruction was introduced at first by making bookkeeping, stenography and typewriting optional subjects of study. Later, special commercial departments were established in connection with the Collegiate Institutes and most of the larger High Schools. The courses of study in these departments, as a rule, extended over a period of two years and were intended to prepare young people for wage-earning employments. On the whole these courses have been popular, but they have been confined to a moderately narrow field.

The commercial departments of the vocational schools have been organized in response to the need for broader and more extended courses for those who are to enter any department of business life. The requirements of these courses should be worked out with a great deal of care. Stress should be laid on the academic subjects necessary for a good general education, and on the practical side the courses should be adapted to fit young people for the varied demands of business. It is important to find out just what are these demands. As a preliminary step in this direction, Mr. M. A. Sorsoleil, one of the organizers of the Technical Branch, made an enquiry among the business men in Toronto. The results of this enquiry are illuminating and should be studied by all teachers in commercial departments. Mr. Sorsoleil's report is as follows:

To F. W. Merchant,
Director of Industrial and Technical Education.

Acting under your instructions given early in September, I called upon a number of representative business men in Toronto for the purpose of learning their opinions as to what type of instruction would best prepare young people for commercial employment.

The aim of the discussion was to obtain general information and also definite answers to the following questions:

1. What weakness, if any, is noticeable in beginners?
2. What change should be made in the commercial subjects taught at present?
3. Is a knowledge of (a) stenography, (b) bookkeeping, necessary for promotion in your business?
4. What subjects should be stressed?
5. What new subjects should be added to the course?
6. Should training be given in office machines other than typewriters?
7. Can salesmanship be taught? If so, what should be the content of such a course?
8. What foreign languages should be taught?
9. Would you be willing to co-operate in giving students a chance to obtain practical experience before being graduated?

The following is a list of firms and officials visited:

Riddell, Stead, Graham & Hutchinson	Accountants	Mr. Jamieson
Norris-Patterson, Limited	Advertising Agency	Mr. J. P. Patterson
J. J. Gibbons, Limited	" "	Mr. Tedman
Star	Newspaper	Mr. Tait, Mr. Argue
Goodyear Tire & Rubber Co. Ltd		Mr. Jeeves, Mr. Tipple
Bank of Commerce		Mr. A. St. L. Trigge
Bank of Nova Scotia		Mr. Watson
Wood, Gundy & Co	Bond Brokers	Mr. G. H. Wood
A. E. Ames & Co	" "	Mr. Peacock
J. G. Beatty & Co	Stock Brokers	Mr. Davis
F. H. Deacon & Co	" "	Mr. Dingman
H. & C. Blachford, Ltd	Retail Boots & Shoes	Mr. C. E. Blachford
Davies Footwear Co	Wholesale Boots & Shoes	Mr. C. A. Davies

Nasmiths, Ltd.	Bread and Biscuits	Mr. Calder
Christie, Brown & Co., Ltd.	Biscuits	Mr. Christie Mr. Edmonds
H. N. Dancy & Son, Ltd.	Builders	Miss Crawford—Secretary
W. R. Johnston Co., Ltd.	Wholesale Clothing	Mr. H. W. Ireland
R. G. Dun & Co.	Credit Reports	Mr. Brent
A. T. Reid & Co., Ltd.	Wholesale Men's Furnishings	Mr. A. T. Reid
Wm. Neilson, Limited	Confectioners	Mr. Walker
F. W. Woolworth Co., Ltd.	Retail Stores	Mr. Connable
T. Eaton Co., Limited	Retail Store	Mr. R. Y. Eaton Mr. Ireland, Mr. Hiscox
The Bell Telephone Co. of Canada, Ltd.		Mr. Kennedy
Murray-Kay Co., Limited	Retail Dry Goods	Mr. O'Connor
Canadian General Electric Co.	Electrical Supplies	Mr. Golden
Gurney Foundry Co., Ltd.		Mr. Gibson
Consumers' Gas Co.		Mr. Hewitt Mr. Armstrong
Toronto Hydro-Electric System		Mr. E. M. Ashworth Mr. Powell
Toronto Carpet Mfg. Co.		Capt. Cragg
W. R. Brock Co., Ltd.	Wholesale Dry Goods	J. A. Catto
Canadian Rubber Co.	Wholesale Rubbers, etc.	Mr. Martin
Canada Permanent Trust Co.		Mr. Geo. H. Smith
Medland Bros.	Wholesale Grocers	Mr. Medland
Wm. Rennie Co., Ltd.	Wholesale Seeds	Mr. J. Rennie
Sellers Gough Fur Co.	Mfr. and Sale of Fur Goods	Mr. A. J. Gough
Imperial Life Insurance Co.		Mr. Mathews, Mr. Moore
Brigdens, Limited	Art Printers and Engravers	Messrs. G. and F. Brigden
Ryrie Bros., Limited	Mfr. and Sale of Silverware	Mr. Jas. Ryrie Mr. Cooper, Mr. C. Maynard
Salada Tea Co. of Canada, Ltd.		Mr. Clarke
Nisbet & Auld, Limited	Wholesale Woollens	Mr. Auld Mr. Gray
Canada Central Loan & Savings		Mr. Fisher
National Trust Co.		Mr. Breckenridge
James Robertson Co., Ltd.	Sanitary Engineers	Mr. H. S. Harwood
Canadian National Railways		Mr. Price-Green Mr. Wardell
Burroughes Adding Machine of of Canada, Limited		Mr. Whitelaw Mr. Conlin
Sturgeons, Limited	Painters' Supplies	Mr. Sturgeon
W. G. A. Lambe & Co.	Brokers	Mr. Charles
Watt & Scott	"	Mr. Watt
C.P.R. City Ticket Office		Mr. Underwood
De La Salle High School	Commercial Dept.	Bro. Aloysius Bro. Victor

At least ten of these firms carry on organized educational work, much of it during business hours. The work taken includes commerce and finance, salesmanship, mathematics, business forms and organization, the use and technique of the telephone, business correspondence, and reading courses covering a wide range. It is obvious that business men recognize the need and value of more complete and, in some cases, special commercial training.

I found the gentlemen whom I interviewed unfailingly courteous, keenly interested and ready to contribute from their knowledge and experience. They heartily approved of the method taken to obtain information and freely placed themselves at my disposal. Not infrequently I was shown through the whole office system, and the qualifications and duties of each employee were carefully explained. The way was left open for future visits by an invitation to return at any time. They also expressed a desire to have the teachers and others connected with educational work visit their plants and study business organization at first-hand.

M. A. SORSOLEIL,
Organizer of Technical Education.

TORONTO, October 23rd, 1922.

The information gathered in the course of the conversations will be reported in four sections:

A.—Preliminary Training for Beginners.
B.—Discussion of the Subjects Comprising the Present Commercial Courses.
C.—Additional Subjects Suggested.
D.—Recapitulation.

Section A

For convenience the business firms have been grouped as follows: financial, wholesale, retail, and manufacturing concerns, public utilities, and a group comprising those not included in the foregoing classes.

The replies to the question, "What preliminary training do you demand in your beginners?" fall into two classes; (1) Those answers that are common to all firms; (2) those that are characteristic of a group. Replies common to all groups:

(a) Good character.
(b) Good grounding.
(c) Competency in stenographers.

The expression, "Good character," generally comprised honesty, interest and initiative. It was recognized that the schools of the Province aimed to develop character. In all five suggestions as to how this work might be helped were made:

1. Direct talks on character in business by the teachers.
2. Talks on the same subject by business men.
3. Methods in teaching that throw the pupils back on their own resources.
4. Insistence on neat, complete, accurate work.
5. A study of the biographies of several great business men.

By good grounding was meant good penmanship, good English, correct spelling, and the ability to do simple arithmetic. The competency of the stenographer will be discussed later. It may be noted, however, that the stenographer with only entrance standing can scarcely hope to attain to the degree of efficiency that is generally desired.

Specific requirements of each group:

Financial Houses: Banks, trust and loan corporations, and stock brokers ask for a junior about sixteen or seventeen years of age who has had one or two years' high school experience. Bond brokers and insurance companies require matriculation or its equivalent. Some of the bond brokers are looking for university men, undergraduates, or graduates, and the actuarial departments of insurance companies are insisting on university training as a minimum qualification. There is a general feeling that those going into commerce should have some actual business contact not later than eighteen. In this group commercial training is not regarded as essential, although all, with the exception of the banks and loan companies, conceded that a knowledge of double-entry bookkeeping, commercial geography, and economics, and even advanced mathematics might prove very helpful. The bank regulations advise their clerks to become acquainted with some system of accountancy, the Bank Act, exchange and bankruptcy laws. This generally is beyond the student of sixteen or seventeen and must be done after the junior has left school.

Wholesale Firms: In the accountancy branch juniors sixteen or seventeen years old with training beyond the public school are required. They are expected to follow office routine up through mailing, invoicing, and posting. There may be a very large staff preparing the records for one or two experts who actually do the accounting. While not absolutely essential, it was thought that these juniors should have a comprehensive knowledge of business paper and of double-entry bookkeeping.

In the warehouse branch the same kind of junior is demanded, and as many of these become salesmen and heads of departments, a knowledge of business paper, bookkeeping, commercial geography, and a study of materials would furnish an excellent equipment.

Retail Stores: In the large stores the work is highly specialized. The minimum age for beginners is sixteen and they must have at least entrance standing. Higher wages are paid by one firm to employees with a year or more of high school training. In the accounting branch much of the work, such as auditing cash slips, is clerical and is done by girls. Very few bookkeepers are required even by the largest firms.

In the sales department no previous experience or training is asked for, but any assistance that could be given in the way of merchandising, study of materials, salesmanship, and business forms would be welcome and would lead to the more rapid advance of the employee and to greater efficiency.

The smaller stores require employees with a more general business training.

Manufacturing Plants: There is considerable variety in the attainments required in the accountancy and merchandising departments of these firms. A junior of about seventeen with a good education is required. If he knows business forms and double-entry bookkeeping and commercial geography, so much the better. His work, however, soon becomes a matter of routine. A wide knowledge of bookkeeping enables him soon to learn the system and prepares him for promotion in his own firm or elsewhere.

Each firm requires one or more expert accountants or auditors. Occasionally there is a demand for a knowledge of a voucher system, cost accounting and transportation.

In the selling departments there is an occasional demand for experts in merchandising and quite generally a demand for trained salesmen.

Public Utilities: In these concerns much of the work in accounting is purely clerical. Very few accountants are required by each. The usual junior sixteen or seventeen years old with a year or two at high school is accepted. If he has had commercial training, his advancement is more rapid. These corporations require several filing experts and also one or more office machine operators.

In the railways stenography is regarded as the road to promotion. The stenographer becomes secretary to the head of the department and through the correspondence learns the business. In the freight and express departments there are transportation salesmen who require a very definite knowledge of freight classification and rates. These, however, begin as clerks and learn transportation by experience.

The last group consisted of an art printing firm, two advertising companies, a firm of accountants, and several customs and importing brokers, and a newspaper publishing company.

The art printer, the publishing company, and the advertising firms each engaged two or three accountants with fairly well educated juniors doing clerical work. One advertising firm expected all male employees to know stenography as a convenience in note-taking. In the commercial art department of the printing establishment, the beginner must have some technical art training.

The firm of accountants required matriculation standing in those who were learning accountancy. General information and accuracy were also desired. A knowledge of bookkeeping was not considered essential, but would be helpful.

The customs broker stressed arithmetic, business paper, and exchange.

The importing brokers desired in their employees commercial geography, transportation, French or Spanish, and wide acquaintance with business paper and practice, commercial law, and banking and exchange.

It will be seen that this work demands special training. The number of persons engaged is small. Each of the larger firms does some importing. One member of the staff looks after this work and becomes efficient through experience.

Section B

Opinions concerning the subjects generally taught in commercial departments:

The idea of courses covering a period of at least three, and preferably four years, in which between forty and fifty per cent. of the total time is spent on academic subjects, met with general approval.

Academic Subjects

English: There is a very general complaint concerning the spoken and written English of those seeking commercial employment. Business men demand good flexible English which has been given a commercial bent by the assignment of letters relating to business transactions, and by compositions on commercial subjects, visits to industries and kindred topics. Most business men dislike stereotyped phrases in correspondence. Training in public speaking was quite generally demanded and the need for a continued study of spelling was emphasized.

Foreign Languages: There is no very pronounced demand for training in foreign languages. French or Spanish letters are the exception. Comparatively little difficulty is experienced in finding translators when necessary. It was generally acknowledged, however, that a stenographer who could read and, above all, write French or Spanish would be a valuable acquisition. Twelve out of the forty-five firms asked for French, seven for Spanish, and one for German.

Science: There was but little direct discussion on this subject. Indirectly, however, it came up a number of times. It was asserted by several that a knowledge of raw materials and their production, the processes through which they pass, and the ultimate product, was closely related to salesmanship, intelligent stenography and cost accounting. One expert stated that frequently the first step in auditing was a week or more spent in studying the operations and the products of the plant where the books were to be audited.

History and Civics: These were not usually suggested as important subjects by the business men. When suggested to them, their value was readily acknowledged and their definite bearing on general culture and citizenship recognized.

Related Subjects

Commercial Geography: In every department of business the benefit to be derived from a study of this subject was freely asserted. A very detailed knowledge of Ontario and Canada was insisted on, but there was also a general request that the scope of the subject should be world-wide. One or two who had given the subject some thought hoped that the commercial geography would be based on a study of physical and political geography.

Mathematics: There is a general desire for greater rapidity and accuracy in the simple rules, and in handling decimals and fractions. In some places commercial arithmetic was emphasized. In firms where statistics are carefully made, and the number is increasing, there is a demand for graphs and graphic representation and sufficient mathematics for statistics. The use of interest tables is considered more important than their making.

Economics: Six of the men with whom the matter was discussed definitely asked that economics be included in the course as really fundamental to business. All admitted the general educational value of this subject.

Business Law: There was a fairly general demand for the teaching of business law. It should include contracts, the Bank Act, bankruptcy laws, federal and provincial acts relating to joint stock companies. The whole subject should be related, where possible, to the question of business credit and business conduct.

Art: Some difficulty was experienced in obtaining opinions on this subject· Persons interested in advertising, and art printers thought that the place for commercial art was in a technical art school or department. The few who ventured an opinion on art as an aid to commerce suggested that the subject should embrace form, perspective, colour harmonies, design, shop decoration, and window dressing. It was generally doubted if enough could be given in connection with a commercial course to make it worth while.

Technical Subjects

Business Forms: The need for a study of these was freely asserted. Complaint was made that in the past the work was neither practical enough nor comprehensive enough. The actual forms should be exhibited and used in the schools.

Stenography: Dictaphones and other office machines are not replacing the stenographer to any considerable extent. Opinion was divided as to whether all going into commercial employment should learn stenography. Eight of the concerns, including the Canadian National Railways, looked upon stenography as the natural way for promotion. The remaining thirty-seven thought stenography for boys a waste of time. This form of employment has become almost entirely a woman's occupation. Of the 338 stenographers employed in twenty-seven firms, only thirty-two, or about nine and one-half per cent., were males. There was no demand for increased speed, but a very general demand for increased accuracy in taking dictation and in reading the notes.

Typewriting: There was found a growing opinion that if time could be given, all students should be able to use the typewriter at least with moderate skill. Some half-dozen asked for this. There is no complaint regarding the speed of the operators. The demand is for accuracy, judgment, and taste in setting up and mailing. There is some little call for typists who are not stenographers to do duplicating, price tags, stock lists, and similar work. The general education of the typist has been discussed under English and Business Correspondence.

Bookkeeping: This work is very largely done by men. In the twenty-seven concerns previously referred to, the number of bookkeepers and accountants was 293. Of these sixty-four, or a little over twenty-one per cent., were women. There is a decided preference for men because they are more permanent in their positions. Bookkeeping machines and office organization are lessening the demand for trained bookkeepers. The machine may be run by an operator and one definite part of the bookkeeping may be done by a clerk. But it is recognized that both clerk and operator are better employees because of a knowledge of bookkeeping. Bookkeeping is quite generally a "blind alley." However, the clerk who has a sufficient knowledge of accountancy to grasp the whole system stands better chance of promotion either in his own or some other firm than one who does not. This subject will always be a most important part of a commercial course, because it affords training in so many phases of commerce. Business men regard time spent on single entry as waste time. They ask that terms and prices be as close to actual business as possible; that, when the principle of double entry is thoroughly learned, attention be given to special column journals, special ledgers, departmental accounting, control accounts, and loose-leaf systems. In the larger firms there is some demand for training in a voucher system and in cost accounting.

Filing: Filing is used in every business, and stenographers and clerks and even accountants require a knowledge of some simple system. In public utilities where accounts sometimes exceed a hundred thousand, filing is an important part of the work. The use of docket, voucher, or stub systems of accounting increases the need of careful, easily accessible filing.

Business Correspondence: This subject involves English, general business information, and typewriting technique. There was a clamorous demand for thorough training in this branch. The minimum standard required is a stenographer who will reproduce accurately the letter dictated and turn out a letter with judgment and taste. The standard desired is a stenographer who can do all that has been suggested and, if necessary, edit and even take charge of a considerable portion of the correspondence. The opinion was frequently expressed that students should know office reference books and how to use them.

Writing: The business people everywhere ask for improvement in penmanship. A plain legible hand is desired. They are not concerned about movement; such legibility as is generally seen in the English or Scotch trained youth is the standard. Not infrequently the possibility of obtaining employment depends upon the penmanship of the applicant.

Section C.—Discussion of Other Subjects Suggested for the Course

The following subjects were suggested in the course of the various conversations as of value to business people: Salesmanship, transportation, the business telephone, advertising, window-dressing, merchandising, office machines, and business deportment.

Salesmanship: Business men in general think that salesmanship can and should be taught. They want the subject stripped of high-sounding terms and give as the content for a course, English, arithmetic, penmanship, deportment, knowledge of the goods to be sold, approach, closing, the relation of the salesman to the customer and to the business, and for retail selling, merchandising. If practice were desired, doubtless arrangements could be made with the merchants for this purpose. Fifteen of the firms interviewed expressed themselves as willing to co-operate with the schools. The T. Eaton Co. would take on pupils constantly at peak-load periods of business during the day.

Transportation: There are two aspects to this subject. In companies selling transportation, knowledge is obtained by experience. The beginner goes in as a clerk or a stenographer and works up through to salesman and local manager. From the purchaser's standpoint there is no great demand for trained transportation men. Some of the larger firms have departments (in one case it numbered eighteen persons) devoted exclusively to this work, while some leave it in the hands of a shipper. However, in any business an employee with a working knowledge of transportation would be an asset. The subject includes familiarity with ocean and railway rates, freight classification, areas to which rates apply, car tracing, freight bill checking, and bills of lading. This subject has connection with commercial geography and economics which gives it an excellent teaching content.

The Business Telephone: The importance of the telephone in business and the value of the right kind of operator is very generally recognized. At the same time many business men doubt whether it is worth while attempting to train students for this work. The telephone is included in the curriculum of the Toronto High School of Commerce as a topic in the subject, "Commerce and Transportation." A few lessons have been devoted to it for the purpose of showing its possible uses and the legal aspects of telephone transactions. Three or four additional lessons affording practice in the actual business use would be sufficient.

Advertising: There is not sufficient demand for trained advertising men even in Toronto to warrant the opening of a comprehensive course in this subject. The T. Eaton Co. has a department of about sixty persons comprising copy writers, sign writers, and artists. But only one or two of these are advertising men. Most of the advertising in the city is done by contracting companies who undertake to furnish satisfactory publicity. The majority of workers in these concerns are clerks. Each has but one or two advertising experts. On the other hand, some knowledge of the principles and mechanics of advertising would be of assistance to anyone in business. Any demand for this subject might be met by special classes or in night classes.

Window-dressing: The demand for trained window-dressers is comparatively limited. If required, it might be taken in a special class or in evening classes.

Merchandising: This includes arrangement and display of goods, care and handling of goods, shop arrangement and design, and also advertising and window-dressing. Two or three were enthusiastic over the possibilities of this subject. Others, however, thought that sufficient could be picked up in business. Doubtless some suggestive work along this line would be of value to any engaged in selling goods, but there is no marked demand for special training as yet.

Office Machines: Many varieties of office machines are being placed on the market and great numbers of them are coming into use. While there is not sufficient demand for operators to make it necessary to train students for that occupation alone, it is advisable that students, and especially those in secretarial courses, going out from the schools should be able to handle the commoner machines. Owing to the rapidity with which these machines are learned, a very limited number would serve the purpose.

Business Deportment: There was a very general insistence that instruction in business conduct was both necessary and possible.

All the subjects mentioned in this group have value to those engaged in buying and selling. But, as already indicated, there is no general demand for some of them and in some cases there is not very much teaching content. These topics, with the exception of salesmanship, and with the addition of business credit and filing, might be grouped as one subject under some such name as "Business Practice." Combined they would furnish sufficient material to make a helpful subject for study.

Section D.—Recapitulation

1. A number of business concerns find it necessary and advisable to give instruction, academic or commercial or both, to their employees.
2. There is a constant demand for juniors sixteen or seventeen years of age with education carried beyond the public school for whom some commercial education would be an advantage.
3. There is also a demand for beginners with matriculation standing, or the equivalent, for whom business education would be helpful.
4. Business men ask that training in penmanship, arithmetic, English, and spelling be very thorough.
5. The stenographer generally required is an expert typist equipped with secretarial qualifications.
6. Clerks and machines are replacing the bookkeeper. However, there is still need for the trained bookkeeper, the accountant, the auditor and the cost accountant.
7. Persons going into office employment should have some skill in the commoner office machines.
8. There is a general opinion in favour of the teaching of salesmanship.
9. The teaching of bookkeeping should illustrate modern business methods.
10. Opinion is divided as to the desirability of teaching stenography to all students in schools of commerce. Only eight out of forty-five firms recognize it as the road to promotion.
11. There is a growing opinion that all going into business should receive some training in typewriting.
12. A large percentage of persons in commercial employment are neither accountants nor stenographers. The suggestion was made that the course in commerce should be comprehensive enough to furnish training for these persons.
13. Many business men regard a knowledge of economics and commercial geography as fundamental to a business course.
14. Fifteen of the firms interviewed expressed themselves as willing to co-operate with the schools in giving the students some business practice.
15. It was commonly recognized that a study of materials, processes, and products of manufacture is an important factor in the business intelligence of salesman, stenographer, and accountant.

Statistical Reports

The statistical reports will be found on pages 260-277.

APPENDIX C

REPORT OF THE INSPECTORS OF CONTINUATION SCHOOLS

To the Honourable R. H. Grant, M.P.P.,
Minister of Education for Ontario.

Sir,—

We have the honour to submit the following joint report of the condition of the Continuation Schools of the Province for the year 1921-22.

G. K. Mills.
J. P. Hoag.

Toronto, December 28th, 1922.

For the purpose of inspection of Continuation Schools, the Province of Ontario is divided into two districts. District number one consists of that part of the Province lying west of the County of York and between Lake Erie and Georgian Bay together with that part of the Province lying along the main lines of the Canadian National and Canadian Pacific Railways west of Sudbury. District number two consists of the remainder of the Province. During the school year 1921-22, Inspector Mills had inspectoral supervision of district number One and Inspector Hoag of district number Two.

The numbers of schools and of teachers in each district appear in the table below:

Description of School	District I.		District II.	
	Schools	Teachers	Schools	Teachers
C One teacher	26	26	20	20
C 1½ One full time and one-half time teacher	4	8	9	18
B Two teachers	51	102	52	104
A Three teachers or more	12	37	7	21
Totals	93	173	88	163

Total number of schools, 181.
Total number of teachers, 336.

Inspection and Character of Work

During the year all the Continuation Schools in the Province have been duly inspected. At least one full day has been spent in the inspection of each school. In many cases where local conditions or changes in the teaching staffs made it advisable, a second day has been spent.

It is a pleasure to be able to report that the Continuation Schools are, in general, in good condition and are doing good work. While in some of the older buildings there is need for adding to or improving the accommodations and while a few of the new schools are being carried on in temporary quarters, Boards are providing very much better accommodations than in any previous period. The teaching is also steadily improving and the influence of the summer courses, so generously provided by the Department of Education, is very marked.

Teachers and pupils are finding the new course of study more satisfactory than the old and they are also finding the organization much more workable. Much closer attention can now be given by the teachers to the work of supervising and directing study periods and side reading.

New Schools

During the year 1921-22, 26 new Continuation Schools have been established, 13 in each district. These new schools are:

Beachburg, Blackstock, Bobcaygeon, Brownsville, Caledon East, Copetown, Danforth Park (York Tp.), Fenwick, Florence, Hallville, Inglewood, Laurel, Long Branch, Lyndhurst, Mindemoya, Mount Elgin, New Dundee, Onondago, Pickering, Rainy River, Schreiber, South River, Stevensville, Wellington, Wolfe Island, Woodville.

Three of these new schools are in consolidated school districts, namely,—Mindemoya on Manitoulin Island, Hallville in Dundas County, and Wellington in Prince Edward County. Fine modern school buildings have been erected at Mindemoya and Wellington, and the building at Hallville is well on the way towards completion. It seems certain that in most consolidated schools, provision will be made for secondary school work as one of the many advantages obtainable through co-operation.

Public Interest

During the past year, in every part of the Province, great public interest has been aroused in regard to Continuation Schools. This interest has been especially noticeable in rural districts. The various County and Township Associations of Trustees and Ratepayers have done much to direct attention to the opportunities provided by Continuation Schools, for the youth of the rural communities. Women's Institutes have also been active in awakening and stimulating interest. Many public meetings have been held for the purpose of discussing ways and means to establish Continuation Schools. The demands on the time of the Inspectors to attend such meetings have been very great. Inspector Mills attended no fewer than 40 meetings between February 1st and June 29th, 1922; and Inspector Hoag attended 38 such meetings. In addition many conferences were held with Boards of Trustees to discuss the question of providing secondary education. We believe that interest is likely to increase and that the development of Continuation Schools is only beginning to be seen.

Increase in Number of Continuation Schools

Probably the most striking feature in connection with the Continuation School movement in the Province is the remarkable growth during the past few years. In 1921 there were 17 new schools opened; in 1922 there have been 26 such schools opened. It is likely that a large number will be opened in 1923. In addition to this increase in the number of schools, many of the schools previously established have found it necessary to increase their staffs and accommodations.

This development is due to five main causes:

(1) The increase in legislative assistance given in recent years.
(2) The Schools Acts Amendments of 1920 and 1921, increasing the County liability for the support of secondary education.
(3) The abolition of fees.
(4) The coming into operation of The Adolescent Schools Act.
(5) The growing public opinion that every child is entitled to an opportunity to receive a sound secondary school education.

Statistical Table

The following table shows how the numbers of Continuation Schools and teachers have changed from year to year since 1918.

School	1918	1919	1920	1921	1922
C One teacher	25	25	23	34	46
C 1½ One full time and one-part time teacher	8	9	13	11	13
B Two teachers	97	101	100	102	103
A Three or more teachers	3	2	8	12	19
Total schools	133	137	144	159	181
Total teachers	244	251	273	297	336

This table does not take into consideration those schools which were raised to the status of High Schools during the years mentioned. In 1920, 4 Continuation Schools became High Schools; in 1921, 3; in 1922, 5. Probably within the next two years, most of the A schools will become High Schools. The normal order of development of a school seems to be as follows: a V Class Public School, becomes a C Continuation School, then a B School, then an A School, and finally is raised to the status of a High School.

Schools that Should be High Schools

The attendance at a number of schools is large enough to necessitate a staff of three or four teachers. Owing to the location of these schools there is nothing that would indicate the possibility of a decrease in attendance in the future. As everything points to a larger attendance it would be in the interest of these schools if they were given the status of High Schools. The grant to three-teacher High Schools is larger than to three-teacher Continuation Schools, and the very name "High School" is more likely to attract attendance than the name "Continuation School." As schools of this kind may be mentioned: Blenheim, Dresden, Bridgeburg, Hanover, Huntsville, Lakefield, Mimico, New Liskeard, Port Colborne, Port Credit, Sturgeon Falls, Timmins (12).

Schools Whose Future May be Considered Doubtful

Besides the above named schools there are a number at which the attendance is so large that a third teacher has been engaged, or must be employed if the present attendance is maintained. It is quite possible that the area served by many of these schools would be served better if one-teacher schools that would do Lower School work were established at a distance of six miles or more. If such schools were established, the attendance at the larger school would probably fall off to such extent that two teachers could do the work now prescribed for this grade of school. As examples of schools in the condition outlined may be mentioned:—Alvinston, Beaverton, Brussels, Cookstown, Creemore, Eganville R.C.S.S., Finch, Grand Valley, Lanark, Lucknow, Marmora, Maxville, Millbrook, Ridgeway, Ripley, Rodney, Sutton, Teeswater, Thessalon, Thornbury (20). In a number of places, however, there would arise a demand for a school at the larger centre that would do the work of the courses prescribed for First Class certificates or for Honour Matriculation. Such a school would of necessity be a High School.

Effect of the Spread of Continuation Schools

When a Continuation School is established in a village or rural section and is carried on efficiently, it has a decided influence on the work of the surrounding country schools as well as on the Public school of the centre in which it is established. A High School education has been brought within reach of many homes. Both parents and pupils have the incentive of successful work done by other pupils, children attend more regularly, do better work and pass Entrance examinations in much larger numbers than formerly. A generation ago it was an event of some importance when a pupil passed the Entrance examination from the average rural school. Now it is not unusual to find from 75 to 90 per cent. of the pupils of the areas within moderately easy reach of Continuation Schools passing the Entrance examination.

Additions Needed to the Present Course of Study

In many places not only do from 75 to 90 per cent. of the pupils of the surrounding rural schools pass Entrance examinations but they attend the neighbouring Continuation Schools, and the great majority take the course leading to Pass Matriculation. In this course or in the course leading to a Normal Entrance there is little to interest the pupils in the work of the farms or of the homes from which they come. Apart from this fact, most of the associations formed in the centres where the schools are located tend to pull away from farm and home. The cry goes up that we are educating the youth away from the farms and, while it is not so much the course of study as the associations and habits formed while in secondary schools that constitutes the pull away from the farm, it is true that we are not doing what we might to create an intelligent interest in the things of the farm and the home. While it was the occasional pupil that left the farm to attend the neighbouring High School the need for a modification of the course of study to meet the condition was not apparent but now when in many places from 50 to 90 per cent. of the youth of the country attend the secondary schools it is a very serious matter if the majority of these leave the farms never to return.

There does not seem to be any sufficient reason why courses in Agriculture and Homemaking should not form part of the work of the secondary schools. At present the course leading to Normal Entrance may be completed in three years. If Agriculture and Homemaking or their equivalent were added to the course of all secondary schools in rural or village centres the whole course leading to Normal Entrance or Pass Matriculation could be completed in the usual four years of High School work.

Winter Schools for Adolescents

Under The Adolescent School Attendance Act every boy and girl must attend school regularly until he reaches the age of sixteen. To compel boys and girls from fourteen to sixteen to attend school and to offer them nothing except a little more Grammar, History, Geography, etc., subjects in which they have little interest, and to force upon them a confinement that they detest is not doing as much as might be done for them. The need of these pupils is another very strong argument for making Agriculture and Homemaking a part of the course of the secondary schools and of establishing Winter schools in connection with these Continuation schools. The special teachers needed for the work of these departments could give their attention to the students of the winter schools when in session and to the regular students of the school during the other months of the spring and fall terms.

APPENDIX D

REPORT OF THE INSPECTORS OF HIGH SCHOOLS

To the Honourable R. H. Grant, M.P.P.,
Minister of Education for Ontario.

Sir,—

We have the honour to submit the following joint report of the condition of the High Schools and Collegiate Institutes of the Province for the academic year 1921-1922.

We have the honour to be, Sir,

Your obedient servants,

J. A. Houston.
I. M. Levan.
G. F. Rogers.

Toronto, December, 1922.

During the year all the High Schools and Collegiate Institutes in the Province were duly inspected.

Attendance

Of the many things observed in the condition of the schools, the most important, beyond all doubt, is the increase in the number of young people who are seeking the benefits of secondary education. There is scarcely a High School or Collegiate in the Province in which the attendance has not increased; and in many of the larger towns and cities the growth has been remarkable. To this several causes seem to have contributed. One is the operation of the Adolescent School Attendance Act in the larger towns and cities, whereby the school age has been increased from fourteen to sixteen years. Another is probably the period of depression through which the Province is passing, by reason of which boys and girls are not lured away from school by the demand for labour and the tempting attraction of high salaries. But undoubtedly the greatest cause of the increasing attendance is the growing appreciation of the importance of secondary education and a general desire among parents to have their children share in its benefits. But whatever the causes, the fact remains that the High Schools have entered upon a new era of prosperity, their class-rooms are filled with students and their influence is being exercised over a much wider field than formerly.

Accommodations

The year has been remarkable also for the activity shown in providing accommodation for the increasing attendance by the erection of new buildings or by the extension of the old. During the war the building of schools was practically at a standstill. Until recently the cost of building was so great that needed extensions could not be effected. But now that the cost of building has assumed more reasonable proportions, there has been a marked revival in the erection of new schools or in increasing the accommodations by adding extensions to the old buildings. It is only fair to add that this revival has been considerably helped by recent legislation by which county councils are required to bear a proportionate share of the cost of new buildings in which county pupils are educated.

It is doubtful if any previous year can show a record of so much construction. New buildings have been opened in Amherstburg, Burford, Burlington, Cayuga, Colborne, Kingsville, Nepean, Ottawa, Scarborough, Sarnia, and Walkerville. Others are in course of construction in Carleton Place, Fort Frances, Renfrew, St. Catharines, and Toronto (Jarvis St.). Extensions have been made or are being made to the buildings in Alliston, Aurora, Essex, Galt, Guelph, Kitchener, Leamington, Lindsay, Owen Sound, Tillsonburg, Weston, and to the following Collegiate Institutes in Toronto: Harbord, Humberside, Malvern, Oakwood, Parkdale and Riverdale. New buildings have been decided on in Richmond Hill and Uxbridge; and the matter of increasing the accommodations is under consideration in Arnprior, Athens, Caledonia, Campbellford, Cornwall, Hamilton, Paris, Pembroke, Port Arthur, and Port Hope.

It will be observed that the activity in building is not confined to any particular section, but is very general in all parts of the Province. Moreover, the new buildings now being erected are of a distinctly better type than has hitherto been attempted. It would seem that communities are realizing that it is wise economy to secure the best, and consequently, most of the new buildings make full provision for all the activities of the modern school. For the completeness with which they have provided for all such activities, the new buildings at Ottawa, Sarnia, and Walkerville will doubtless be regarded as models of excellence for years to come.

The New Course of Study

The new programme of study has been in partial operation in all the schools since September, 1921, and in full operation since September, 1922. While it is still too soon to judge of its ultimate effect on the standard of secondary education in this Province, it may not be out of place to give here some impressions of its general tendencies as they have been revealed up to the present. It is not too much to say that the new course has given general satisfaction, and that its reception by teachers and pupils has been warmly sympathetic. Had it done no more than to relieve the overpressure which had become so burdensome under the former scheme, it would have served a useful purpose. But it has done much more. By limiting the number of subjects to be taken by each pupil it has provided more time for the thorough mastery of what is attempted, more opportunity for the proper assimilation of knowledge and for growth in intellectual power. By the introduction of new subjects each year, it makes a constant appeal to the pupil's interest. Moreover, it has greatly lessened the burden of examinations, not by lessening their number, but by distributing the papers over the four years, so that in no one year is the examination strain oppressive. As each school year has its new subjects of study, the pupil's interest is not allowed to lag. The method of dealing with History may be cited as an example. In the former course an examination in British and Canadian History was held at the end of the second year, another examination on British and Canadian History, together with an examination on Ancient History at the end of the fourth year, and examinations on Mediaeval History and on Modern History at the end of the fifth and sixth years. In the new course, Canadian

History is generally taken up and finished in the first year of the course, British History in the third year, Ancient History in the fourth, and Modern World History in the fifth. Thus the student is not surfeited by going over the same course in History for four consecutive years, but has some new department of the subject to hold his interest in the various years of the course. Similarly in Science, Botany is taken up and finished in the first year, Zoology and Physiography in the second, Physics in the third, Chemistry in the fourth, and Biology and advanced Chemistry in the fifth. In the single matter of distributing the subjects of study over the several years of the course, the new course presents many points of superiority over the old.

Organization

When the new course was first proposed, there was a good deal of anxiety among Principals as to the possibility of organizing their schools so as to give effect to the new system. Happily, their fears have not been realized. In most of the schools, it has been found possible to organize the work on a basis of eight periods a day, while in some it has been found necessary to organize on a basis of nine, though in at least one school the Principal has found it possible to organize on a basis of seven periods. It may be interesting to examine how the organization of the Lower School classes has been worked out in some representative schools. The following weekly time-table shows how a school may be organized into eight periods a day to cover the ordinary subjects that are common to most of the smaller schools:

First year: English, 7 periods; Algebra, 5 periods; Latin, 5 periods; French, 4 periods; Art, 5 periods; Botany, 4 periods; Geography, 3 periods; History, 4 periods; Physical Culture (sexes taken simultaneously), 3 periods.

Second year: English, 7 periods; Geometry, 5 periods; Latin, 5 periods; French, 4 periods; Grammar, 4 periods; Zoology, 3 periods; Physiography, 5 periods; Arithmetic, 5 periods; Physical Culture, 2 periods.

The following time-table shows how, by omitting French in the first year, and substituting Latin for English Grammar in the second, provision has been made in an eight-hour day for Manual Training and Household Science in the first two years, Music in the first year, and Greek in the second:

First year: English, 5 periods; Algebra, 5 periods; Latin, 5 periods; Art, 4 periods; Botany, 4 periods; Geography, 4 periods; History, 4 periods; Physical Culture (sexes taken separately), 4 periods; Manual Training and Household Science (taken together), 2 periods; Music, 2 periods.

Second year: English, 6 periods; Geometry, 4 periods; Latin, 5 periods; French, 4 periods; Greek, 2 periods; Zoology, 4 periods; Physiography, 4 periods; Arithmetic, 4 periods; Physical Culture, 4 periods; Manual Training and Household Science, 3 periods.

The following time-table shows the allotment of time in a school organized into seven 45-minute periods a day:

First year: English, 5 periods; Algebra, 5 periods; Latin, 4 periods; Art, 4 periods; Botany, 4 periods; Grammar, 3 periods; Geography, 3 periods; History, 3 periods; Physical Culture (sexes taken at the same time), 2 periods; Manual Training and Household Science (taken at same time), 2 periods.

Second year: English, 5 periods; Geometry, 4 periods; Latin, 4 periods; French, 5 periods; German, 3 periods; Zoology, 3 periods; Physiography, 3 periods; Arithmetic, 4 periods; Physical Culture, 2 periods; Manual Training and Household Science, 2 periods.

For various reasons there has arisen a certain degree of uniformity in the selection of the subjects to be taken in the different years of the course. In most schools the subjects selected for the first year are Canadian History, Geography, Botany, and Art, together with English, Algebra, Latin and French, eight subjects in all. In the second year, the course then consists of Zoology, Physiography, English Grammar, and Arithmetic, together with English, Geometry, Latin and French. This seems to be a logical division of the work of the Lower School, as the subjects enumerated for the second year are, in the main, more difficult than those selected for the first year, and can be mastered more easily with greater maturity. And for a pupil who is obliged to move from one school to another during his High School course, there is an added advantage in finding that in his new school the subjects to be taken up year by year are the same as in his former school.

The Upper School Course

The change by which Upper School standing can be secured in one year instead of two is producing results which were not realized when the change was made. The average pupil finishes the Middle School course at sixteen or seventeen years of age. Being still too young to enter the Normal School, he is likely to remain and in many cases does remain in High School for another year to secure Upper School standing, and thus at eighteen years of age he is able to enter the Normal School as a candidate for a first-class certificate, and not for a second-class certificate. There is no doubt whatever that from this last year's schooling he receives more benefit than from any preceding two years in the way of getting independence of thought, initiative and self-reliance. He enters the Normal School much better able to benefit by its courses than he was a year before; and on completing the year of pedagogical training he is awarded a first class teacher's certificate, and is worth much more to the state by being able to do better work in the Public Schools than he would have been a year earlier. The increase in the number of first class teachers prepared in the High Schools will have a very beneficial effect on the teaching in the Public Schools. At present there are some 275 candidates for first class teachers in training at the Normal Schools, a number far in excess of what has been for years. This increase in undoubtedly due to the working out of the new course of study in the High Schools. And it is likely that the numbers of such teachers will increase from year to year. Nothing has happened for years which will do more to raise the standing of the Public School teacher than the making of the work of the Upper School a one year's course.

Registration

The Regulations make it a duty of the Principal to see that a permanent record is kept of the school history of every pupil. For this purpose a General Register has been supplied to every school, which for want of a better, is still in use in most schools. But as it cannot be fully used in connection with the new course of study, it should either be brought up to date or should be abandoned in favour of a better system. In its place some of the Principals are using a card system; and many others would employ such a system if a suitable card were available. For the information of Principals who may be considering the installation of a card system, the following reproduction is given of a card, eight inches by five in size, that is in use in the Ottawa Collegiate Institute:

OTTAWA COLLEGIATE INSTITUTE

Pupil's name in full:

Date of birth: Date of admission to Institute:

Parent or Guardian: Resident or Non-Resident:

Address of Parent: Occupation:

Telephone: Religious persuasion:

School Previously Attended.

Entrance Examination— Place: Date

Marks (out of 50): Reading: , Writing: Dictation:

(out of 100): Arithmetic: , Grammar: , Composition:

History: Literature: , Geography: , Total

University, or Departmental Examinations, (Dates, Name of University and Honour Standing):

Number of days present—1st year , 2nd year , 3rd year , 4th year , 5th year

Date of leaving Institute: Remarks:

Occupation selected:

NAME																	LATIN		GREEK		FRENCH			GERMAN SPANISH			HISTORY				
FORM	Arithmetic	Algebra	Geometry	Trigonometry	Physics	Chemistry	Botany	Zoology	Physiography	Grammar	Composition	Literature	Art	Book-keeping	Shorthand	Typewriting	Authors	Composition	Authors	Composition	Orals	Authors	Composition	Orals	Authors	Composition	Canadian	British	Ancient	Geography	Total and Percentage
I																															
II																															
III																															
IV																															
V																															

English Composition

There is no part of the work of the High School more useful and yet none more difficult to teach than the subject of English Composition. Because of the immense amount of labour involved in the reading of compositions, it is customary in most schools to divide the Composition among the teachers of the staff so that no teacher may have charge of more than two classes in this subject. In the process of division the subject of Composition is sometimes assigned to a teacher who feels himself disqualified for the work by lack of training. The following directions were compiled by Miss Ethel M. Sealey, B.A., head of the English department in the Harbord Collegiate Institute, Toronto, for the guidance of the teachers of Composition on the staff. They are here reproduced in the hope that they may be of assistance to teachers in smaller schools who find difficulty in dealing with this subject.

General Directions

" It is suggested that uniformity of instruction be observed with regard to the following points:

Spacing: There should be a double space

1. Between titles, headings, etc., and the first line of the composition.
2. Between stanzas.
3. Before and after quotations in verse; and before and after quotations in prose, if special emphasis is required.
4. Between marked divisions in plans.

Indentation: Attention should be drawn to

1. The indentation of the paragraph.
2. The indentation of dialogue.
3. The indentation of quotations.
4. The indentation of various parts of letters.

Usage with regard to dates: e.g., December 25, 1922.

Spelling: With regard to such words as "honour", "through", "centre".

Abbreviations: These are to be discouraged in formal composition, as is also the use of the sign "&".

Titles: The title should appear on the plan page, and on the first page of the essay proper, and not thereafter. Pupils should be instructed to write on the top line of the page, and on the left-hand page.

Revisions: Pupils should be required to make revision of every sentence in which an error occurs. It will be found convenient to have the corrections made directly opposite the sentences in which the errors occur.

Oral Work: Adequate provision should be made for Oral Composition, which should be taken up regularly throughout the year. Each pupil should be given an opportunity to speak at least once during the term. Additional practice in procedure may be obtained by organizing each class into a miniature Literary Society, with regularly appointed Chairman and Secretary for each meeting.

FORM I

Fall Term: Chiefly Narration. Teach and stress capitalization, punctuation, correct sentence form, indentation, spacing, neatness of manuscript.
September—Personal Incidents.
October—Letters, both friendly and business.
November—(*a*) Home: Biography, preferably of noted Canadians.
(*b*) Class: Original stories, preferably Christmas stories, introducing dialogue.

Winter Term—Chiefly Description. Stress paragraph structure, especially Explicit Reference and Unity.
January—Familiar Scenes, landscapes.
February—(*a*) Home: Landscapes.
(*b*) Class: Towns, Cities, etc.
March—Familiar Assemblies, in school, in church, etc.

Spring Term—Chiefly Exposition. Stress the coherence of the essay as a whole, paying special attention to suitable introductions and conclusions.
April—How to make or do something.
May—Enumerative Exposition, or explanation through division into parts or kinds. Subjects may be selected from the pupils' work in science or nature study, or from games or modern inventions.

Throughout the year students should write frequently short exercises, which should be thoroughly discussed in class.

FORM II

Fall Term—Narration and Description. Stress again the introductory material on form.

September—Incidents of the holidays, told in friendly letters.
October—Games, contests, accidents, etc.
November—(*a*) Home: Heroes and Heroines.
(*b*) Class: Original stories, introducing dialogue.

Winter Term—Descriptive Exposition. Stress paragraph structure, especially Method (Continuity) and Proportion.

January—Buildings, emphasizing various aspects, as the familiar, the picturesque, the mysterious, the beautiful.
February—(*a*) Home: Character sketches.
(*b*) Class: Portraits, form and lineament, expression of character.
March—Pictures, form, colour, light, suggestion.

Spring Term—Narrative Exposition. Stress Unity, Coherence, Emphasis, in the essay as a whole.

April—Stories of animals, to illustrate intelligence, fidelity, etc.
May—Stories designed to "point a moral."

The short exercises for class discussion should be continued throughout this year.

FORMS III & IV

Fall Term—Chiefly Narration and Description; review the theory of these forms of composition. Stress clearness of thought, precision of expression, neatness of manuscript. Discuss sentence forms (simple, compound, complex) to emphasize the logical connection of ideas and to secure variety of structure.

September—Minor forms of composition, invitations, letters of congratulation, letters of thanks, press notices, advertisements.
October—Indoor scenes, a pleasant room, a study.
November—(*a*) Home: A book review.
(*b*) Class: Original sketches and stories, emphasizing "local colour."

Winter Term—Chiefly Exposition. Review the theory and require pupils to make plans for and analyze their own work. Review the paragraph laws by means of both analysis and application.

January—Pictures, music, poetry.
February—Exposition of theories, especially of life and conduct. (Home and class essays on same theme.)
March—Subjects of Current Interest.

Spring Term—Rapid review of Narration, Description, Exposition. Stress rhetorical side of subject.

Attention is given in these two years to qualities of style, nicety and purity of expression, cadence and rhythm of sentences. Models are freely used.

FORM V

Review and expansion of junior work. The bulk of the time is devoted to Exposition and Argument."

The Teachers

In conclusion, we desire to pay our sincere tribute of respect to the work and character of the teachers, to express our admiration of the skill and patience they employ in the discharge of their onerous duties, and to recall the lasting benefit which the Province derives from their unselfish devotion to the task of forming the mind and character of the youth of this land. In the high calling to which they are devoting their lives, they are deserving of our deepest gratitude. What this Province has to-day of intelligence, of integrity, and of lofty ideals, is in large measure due to the teachers of the past. What it shall have to-morrow will be due to the teachers of the present. And to-morrow will be better than to-day.

APPENDIX E

REPORT OF THE DIRECTOR OF RURAL SCHOOL ORGANIZATION

To the Honourable R. H. Grant, M.P.P.,
Minister of Education for Ontario.

Sir,—

I have the honour to submit herewith my first report on the Organization of the Rural Schools.

I have the honour to be,
Sir,
Your obedient servant,
W. J. Karr,
Director of Rural School Organization.

Toronto, December 21st, 1922.

The Organization of the Rural Schools of Ontario

Present Status

The basis of the present scheme of organization of the rural schools of Ontario was laid by the School Bill of 1846, framed by Dr. Ryerson. This Act gave authority to each municipal council to divide its township into numbered sections, and arranged for the election in each section of a board of trustees, whose duty it was to provide a school building and a teacher. Though minor changes have been made in the organization since 1846, the scheme instituted at that time is essentially the scheme that exists to-day.

The number of sections has greatly increased since their original establishment through the opening up of new areas for settlement, and through the subdivision of sections as the population has grown. On the other hand, the number has been somewhat reduced by the incorporation of the more populous sections as villages, which have established urban organizations. In 1921 there were in the Province 4,989 school sections with schools of one room only; 328 with schools of two rooms; 72 with schools of three rooms; 26 with schools of four rooms; 46 with schools of more than four rooms.

It will be observed that there are 472 rural schools with more than one teacher. These are located in small centres of population which have not yet been incorporated as villages, or in areas contiguous to the larger cities. These schools present a graded organization more or less intensive, varying from three or four classes to a single class in each room. Many of them are, to all intents, as minutely graded as the urban schools. But the great majority of the rural schools are situated in the open country, at fairly central points in their respective sections, and have but one class-room and one teacher.

The internal organization of these one-roomed schools is determined by the diversity in the age and the attainments of the pupils, which makes it necessary to divide the school into five Forms, though usually the Fifth Form is absent. In general, the work of each Form requires two years for its completion, and so it becomes necessary to subdivide each into two classes. Thus it frequently occurs that in a rural school there are as many as eight classes, each of which has to be taught separately in many, if not all, of the school subjects.

Each rural school is administered by a board of trustees who are selected by the electors of the section at the annual meeting in December. A measure of continuity of the board is secured by making the period of the tenure of office three years and arranging that one member shall retire at the end of each year.

Such, in outline, is the present organization of the rural schools of the Province. It is, perhaps, inevitable that a system, established more than three-quarters of a century ago, and still existing in a practically unaltered state, should exhibit certain inadequacies, especially in view of the changed conditions in other fields. It is doubtless true that the system was the best that could have been devised for that period when the Province was in its infancy, when the country was not completely opened, when settlements were often more or less isolated, when roads were bad and communication difficult. Now that these circumstances have entirely disappeared, the question arises as to whether the present organization of rural schools does not properly lend itself to improvement in some degree in order to keep pace with improved conditions elsewhere.

Two Great Problems

In any plan for the improvement of business organization in any sphere, there are two essentials which are always sought, viz., economy and efficiency. These may be taken, then, as the essentials to be secured in any scheme for the improvement of the organization of the rural schools. It is purposed in this report, therefore, to consider these two essentials in their relation to the present rural school organization, to point out where they are lacking, and to indicate how they may be secured in a higher degree by making certain changes in existing conditions.

I. Economy

Economy does not necessarily mean the reduction of expenditure in money and effort; but it does mean the securing of the highest results for what is expended. That the Province is not obtaining the best educational returns for the money and effort expended in the rural schools in their present condition will be apparent from the following considerations.

The recent census returns for the Province indicate that there has been, during the last decade, a considerable increase in the population of large urban centres and a fairly general decrease in the population of the townships and country towns and villages. The gradual exodus from the country communities is reflected in the attendance of the rural schools. In 1903, of all the pupils attending the elementary schools, 58 per cent. were in the rural schools, and 42 per cent. in the urban schools. In 1920, the figures were practically reversed, 40 per cent. of the pupils being rural and 60 per cent. urban.

The decline in the total number of rural pupils is the result of a considerably lowered attendance in many individual rural schools. The following tables, compiled from the latest available report, show the number of one-roomed rural schools in the organized Counties and in the Districts of the Province, graded according to average attendance.

Table I.—One-Teacher Rural Schools Graded as to Average Attendance

Counties	No. of Rural School Sections	No. of Schools with one Teacher	Number of Schools with Average Attendance of								
			1	2	3	4	5	6 to 9	10 to 14	15 to 19	20 or over
Brant	61	51	..	..	..	..	..	2	7	9	33
Bruce	165	163	..	..	..	..	3	9	37	45	69
Carleton	114	99	1	..	1	1	1	10	11	23	51
Dufferin	92	89	..	..	..	1	1	7	30	29	21
Dundas	74	66	..	..	..	..	..	7	9	19	31
Elgin	102	90	..	..	..	1	..	3	14	20	52
Essex	111	93	..	..	..	..	..	1	10	15	67
Frontenac	143	140	..	2	2	5	4	32	33	23	39
Glengarry	75	71	..	..	..	..	2	4	18	17	30
Grey	220	213	..	..	2	3	3	19	45	53	88
Haldimand	74	69			..	..	2	5	10	8	44
Haliburton	63	59	..	..	2	1	6	23	13	4	10
Halton	58	54	..	1	..	..	..	..	10	15	28
Hastings	175	161		..	..	2	..	22	31	31	75
Huron	183	172	..	..	4	..	3	14	40	49	62
Kent	128	125	.	..	..	..	..	1	6	18	100
Lambton	168	163	..	..	..	..	..	8	33	55	67
Lanark	122	118	..	..	2	1	4	22	42	19	28
Leeds and Grenville	221	203	..	..	5	8	4	37	61	48	40
Lennox and Addington	112	105	..	..	1	4	5	14	31	29	21
Lincoln	65	48	..	..	..	..	..	..	11	11	26
Middlesex	183	165	..	..	2	1	..	10	24	48	80
Norfolk	99	93	..	..	..	..	..	7	18	19	49
North. and Durham	203	193	..	..	1	..	2	17	50	46	77
Ontario	120	103	..	..	..	..	1	4	15	21	62
Oxford	106	90	..	..	..	..	..	1	5	16	68
Peel	74	66	..	..	..	..	1	10	16	13	26
Perth	112	107	..	..	..	..	..	1	15	17	74
Peterborough	94	94	1	1	1	3	1	9	16	22	40
Prescott and Russell	81	71	..	..	..	2	1	8	19	19	22
Prince Edward	71	71	..	..	1	..	2	8	14	18	28
Renfrew	154	146	..	..	1	..	2	14	33	35	61
Simcoe	210	182	..	..	..	1	1	9	21	43	107
Stormont	75	68	..	..	..	..	..	3	15	17	33
Victoria	103	93	..	..	3	1	2	11	18	28	30
Waterloo	82	69	..	..	..	..	..	..	3	10	56
Welland	77	62	..	..	..	..	..	..	9	20	33
Wellington	143	136	..	..	..	..	1	10	27	39	59
Wentworth	75	53	..	..	..	..	..	..	4	6	43
York	158	116	..	..	..	..	..	1	4	22	89
Totals, 1921	4,746	4,330	2	4	28	35	52	363	828	999	2,019
Districts											
Algoma	83	67	..	..	1	1	..	8	10	17	30
Kenora	26	26	..	..	..	..	..	5	8	5	8
Manitoulin	49	47	..	..	1	1	4	7	..	10	24
Muskoka	94	94	..	1	1	1	4	23	26	20	18
Nipissing	60	57	1	..	..	2	2	8	16	9	19
Parry Sound	117	109	..	3	2	2	2	26	28	20	26
Rainy River	53	48	..	..	1	4	1	9	15	9	9
Sudbury	75	65	..	..	..	1	..	7	13	16	28
Timiskaming	98	82	..	..	1	3	1	14	23	16	24
Thunder Bay	60	64	..	1	1	..	2	9	15	9	27
Totals, 1921	715	659	1	5	8	15	16	116	154	131	213

Table II.—Summary of Statistics given in Table I.

Average Attendance	No. of Schools in Counties	No. of Schools in Districts	Total 1921
1	2	1	3
2 or less	6	6	12
3 " "	34	14	48
4 " "	69	29	98
5 " "	121	45	166
9 " "	484	161	645
14 " "	1312	315	1627
19 " "	2311	446	2757
20 or over	2019	213	2232
Percentage under 20	53.4	67.7	55.3
Percentage over 20	46.6	32.3	44.7

From these attendance tables it will be seen that 55.3 per cent. of the rural schools of the Province have an average of less than twenty, and that 44.7 per cent. have an average of twenty or more. Nearly 13 per cent. have an average of less than ten. It might be open to question whether it is economical, except under unusual conditions, to maintain a school and pay a teacher for fewer than twenty pupils. But, at any rate, it will be agreed that it is uneconomical to do so for fewer than ten pupils. This involves a waste of effort and teaching power, as well as a waste of money. The latter may be seen by making a simple calculation. In the 645 schools that have an average daily attendance of less than ten, the total daily average is 4,262. Placing the salary of each teacher at $1,000, and estimating the other expenses of each school at $200, and making no allowance for debenture payments or for new buildings, the yearly cost of educating these 4,262 pupils is $774,000, which means an average of $182 per pupil. The total amount expended in 1921 for all purposes in the rural Public Schools was $9,890,574; and the average attendance was 137,605. This means an expenditure of $73 per pupil of average attendance. Curiously enough, the cost per pupil of average attendance in all the Public Schools, rural and urban, closely approximates the latter figure, being, in fact, $76. It will thus be apparent that the cost per pupil of average attendance in over six hundred rural schools was nearly two-and-a-half times the cost per pupil of average attendance in the Province as a whole. A similar comparison of the group of 982 schools having an average of from ten to fourteen with all the rural schools will also reveal a considerable disparity in cost per pupil. Such figures constitute a striking commentary on the price that the Province is paying for its poorly-attended rural schools. If the results achieved were commensurate with the money expended, no objection could be taken, but unfortunately this is not the case.

The expensive character of these schools may also be observed from the standpoint of the Government of the Province. Generous sums are annually voted by the Legislature for distribution among the rural schools according to the assessments of the sections, the salaries of the teachers, and the accommodations and equipment. The cost to the Government for the maintenance of schools with a low average attendance may be seen by an examination of the following table, showing the amount paid in Legislative grants in 1921 in each of the organized counties to three groups of schools, viz., (1) those with an average attendance of less than five, (2) those with an average of 5 to 10; and (3) those with an average of 11 to 15.

Table III.—Legislative Grants in Organized Counties to Schools with Low Average Attendance

COUNTY	Aver. Att. Under 5	Grants	Aver. Att. 5-10	Grants	Aver. Att. 11-15	Grants
Brant			2	$211 35	9	$1,570 37
Bruce			24	7,839 30	35	9,487 27
Carleton	3	$850 61	11	3,684 18	16	3,426 24
Dufferin	1	228 70	10	2,939 40	37	8,374 73
Dundas			8	2,432 96	7	2,671 12
Elgin	1	215 00	3	564 45	11	3,094 56
Essex			2	522 43	11	2,397 89
Frontenac	9	2,815 71	41	13,750 15	30	9,993 51
Glengarry			11	3,265 65	17	3,761 67
Grey	5	1,168 62	25	3,938 31	43	8,508 53
Haldimand			10	2,118 75	9	2,272 68
Haliburton	3	1,356 02	28	11,969 45	13	6,091 54
Halton	1	217 94	3	404 24	11	1,822 33
Hastings	3	1,322 04	27	11,121 44	30	11,318 61
Huron	4	701 86	20	2,519 85	41	5,241 66
Kent			1	297 24	7	1,806 33
Lambton			17	2,495 24	36	4,367 70
Lanark	3	615 13	35	9,270 47	44	9,604 34
Leeds and Grenville	13	4,304 64	48	17,323 47	60	18,921 72
Lennox and Addington	5	1,403 71	21	5,955 33	34	8,799 55
Lincoln			1	171 89	10	1,989 07
Middlesex	3	254 51	12	1,296 76	22	3,452 66
Norfolk			7	1,581 54	18	4,154 00
Northumberland and Durham	2	543 64	24	5,324 61	51	11,378 14
Ontario			5	1,059 11	22	3,923 16
Oxford			2	175 88	4	402 57
Peel			11	2,371 87	16	3,759 47
Perth			2	188 35	15	2,087 06
Peterborough	6	1,123 39	17	5,795 26	11	4,577 80
Prescott and Russell	2	618 65	10	1,918 07	18	3,739 81
Prince Edward	3	688 11	9	2,174 73	18	3,580 44
Simcoe			14	2,798 03	23	5,571 65
Stormont			9	2,785 86	11	3,824 05
Victoria	4	1,330 08	15	3,734 05	18	4,201 85
Waterloo					7	1,438 67
Welland					11	2,589 29
Wellington	1	111 75	13	1,787 66	26	4,429 88
Wentworth					3	779 53
York			1	238 00	5	1,069 10
Total for Counties	72	19,870 11	499	136,026 33	810	190,480 55
Average		275 98		272 59		235·16
Average for 1,381 schools						250 81
Average per pupil		110 39		36 67		19 30
Average per pupil in 1,381 schools						23 97

It will be observed from the figures in this table that in 72 schools in the organized Counties with a daily average of less than 5, the amount paid by the Government in grants was $19,870.11, or $110.39 per pupil of average attendance; in 499 schools with an average of from 5 to 10, the amount paid in grants was $136,026.33, or $36.67 per pupil; in 810 schools with an average of 11 to 15, the amount paid in grants was $190,480.55, or $19.30 per pupil; and in the whole 1,381 schools with an average of 15 or less the amount paid was $346,376.99, or $23.97 per pupil. In 1921, the average daily attendance in the 4,330 rural schools in the organized Counties was 122,366, and the total amount received in Legislative grants was $1,463,979.45. That is, the average amount paid in Legislative grants per pupil of average attendance in all the rural schools of the organized Counties was $11.96. It is thus apparent that the amount paid per pupil in the poorly attended schools was double the amount per pupil for all the County rural schools. Nearly one-third of all the rural schools had an average attendance of less than fifteen, and these schools absorbed nearly one-quarter of all the Legislative grants. It is a serious question as to whether the continued payment of such large grants to schools with a low average daily attendance can be justified, especially if reasonable methods are at hand by which it can be obviated.

A Possible Solution

Provision is already made by Section 74 of the Public Schools Act whereby school sections are authorized to make arrangements with other school sections for the admission of their pupils, but advantage is rarely taken of this provision. There are several counties in the Province where this ought to be done now, but Inspectors point out that the grants to the schools are so generous that trustees have no financial incentive to close the schools and transport the pupils elsewhere. Two methods of meeting the situation suggest themselves:

1. Schools with an average attendance of less than ten, for two successive years might be made ineligible for the Legislative grants. This would probably induce many sections to arrange for the accommodation of their pupils in other schools, in accordance with section 74. Should they still desire to maintain their schools without government assistance, they might be permitted to do so, but this might precipitate the question of their being any longer subject to the requirements of the Schools Act or the Regulations.
2. Provision might be made in the Public Schools Act for the automatic closing of those schools whose average attendance falls below a minimum of ten for two successive years and for the conveyance of the pupils to adjacent schools.

The latter seems to be the more satisfactory plan. It is the method at present adopted, with beneficial results, in many of the States of the American Union. It would put into operation a system of consolidation of schools on a small scale, and might give an impetus to the movement on a large scale throughout the Province. It would relieve the Government of the payment to many school sections of the large grants that are made towards the salaries of teachers, and, to a large extent, of the grants that are made to Assisted Schools in the Districts. It would release for service in other schools many qualified teachers, and reduce the numbers of unqualified teachers now employed. The township grant now paid to these poorly attended schools would go far towards paying for the cost of conveying the children and for the fees that are required for attendance at the other school. In some cases, a small Legislative grant might be necessary, but it would be much smaller than that now paid.

Such a plan would thus do much towards reducing, first, the expenditure of money both by the Government and by the local authorities, and secondly, the waste of teaching power and effort. And it would be doing a service to the children to bring them together in larger numbers. In carrying out the plan, some discretion would, of course, have to be exercised in the sparsely settled districts of the Province, where, because of long distances, it might not be feasible to convey the pupils to other schools.

II. Efficiency

The second and more important problem that has to be solved is how to make the organization of the rural schools contribute more fully to their efficiency.

Efficiency is the adequate performance of function. It is generally recognized that the function of the school is to assist, to the highest possible degree, in the development of good citizens. Good citizenship involves a trained intelligence, a skill in the performance of the activities of the vocation, worthy ideals of conduct, and action in accordance with these ideals. To the extent, therefore, that the school contributes to the cultivation of these in the pupils it may be regarded as efficient.

It is not difficult to show that, judged by this standard, the rural schools of the Province, in many cases at least, must fall below the measure of efficiency desired. It is not suggested that all of the rural schools are inefficient. On the contrary, many of them, under experienced teachers with exceptional gifts and strong personality, develop in the pupils a keen intelligence, high ideals of behaviour, and habits of industry, persistence, and self-reliance, and thus contribute largely toward the development of a fine type of citizenship. If all rural schools were of this sort, there would be little occasion to propose an improvement in their organization. The chief factors that militate against a high degree of efficiency in the average rural school may be briefly stated:

1. The frequency of change of teachers is one of the primary factors. As the great majority of the teachers in rural communities are women, it is inevitable that there will be a steady and continuous desertion of the school for the fireside. But this frequent change is often due to mere restlessness, to the desire for change of scene and type of work, to the depressing effect of the surrounding conditions, to the absence of association with others doing similar work, or to the difficulty of securing comfortable living quarters within a reasonable distance of the school. The resulting loss of time to the pupils due to the necessity of frequently making new adjustments must be very great. A partial remedy for this deficiency is, obviously, to make conditions of teaching in the rural schools so attractive that many young men may be induced to enter the profession, to make it their life work, to live permanently in the communities where they are engaged as teachers, and thus to make their influence felt upon the intellectual and moral life of the people.

2. The small attendance, already mentioned, results in the absence of the spirit of emulation and the stimulus of competition, which can be secured only among large numbers engaged in a common task, unless the teacher is of unusually strong individuality and influence. Moreover, the small attendance deprives the pupils of the opportunity of cultivating that poise and assurance of manner, and those moral qualities of fairness, generosity, obedience to authority, consideration for others, ability to co-operate for a common purpose, all of which come from association with large numbers in the class-room and on the playground.

3. The nature of the internal organization of the rural school contributes largely to its inefficiency. With pupils varying in age and attainments, the division into several classes, all of whom have to be instructed in one classroom by one teacher, becomes necessary. The result is that no class can have more than a small fraction of the teacher's time and attention. Under such circumstances there is likely to be much waste of time by the pupils, and slow progress in consequence. Some classes and some subjects are almost certain to receive more than their fair share of time, and others to be neglected. It is a tribute to the mentality of the boys and girls of rural communities that, under the handicap of disadvantageous school organization, they make the progress that they do.

4. The general conditions that are associated with the rural schools are often of such a character as to induce an attitude of dislike for rural conditions. The efficiency of these schools ought to be measured, in part at least, by the degree to which they inspire the pupils with an admiration of rural life and its activities, and fit them adequately for effective participation therein. It is much to be feared that the rural schools, as they are at present conducted, are doing little to fulfil these important conditions. The unattractive, uncomfortable, poorly equipped buildings, the inadequate playgrounds, the course of study largely dissociated (at least in its actual presentation) from the pupil's surroundings and activities, can have little influence in instilling an appreciation of rural life and a determination to stay on the farm. Unless the rural schools educate boys and girls *for* the farm, they are not adequately fulfilling their proper function.

5. The nature of the organization and the lack of proper equipment make it impossible for the pupils to have much systematic instruction in those subjects that have a more or less vocational bias; viz., agriculture, manual training, household science. In the absence of the training of eye and hand which comes through these subjects, the pupils are losing an opportunity of laying a good basis for the cultivation of that manual skill and those ideals of excellence of execution which are important to them in their future vocation.

6. There is no adequate provision in rural communities for secondary education. Where the work of a Fifth Form is undertaken in the one-roomed school, the time that the teacher can devote to it, in view of the many other classes he has to teach, must be small. Moreover, the rural teacher with only a Second Class certificate has had practically no training for Fifth Form work. Consequently the attempt to conduct it must be ineffective. In 1921-22 there were 108 Fifth Classes in the Public Schools, 86 of which had an average daily attendance of less than ten pupils, and 50 of which had an average of less than five. While many of these classes were located in purely rural schools, a fair proportion were in villages in graded schools. It will be at once recognized that the total number is small for the whole Province, and that they constitute no sufficient provision for rural secondary school pupils. The Continuation Schools and High Schools are inaccessible to many districts, unless parents arrange for the transportation of their children to and from the school or for their boarding and lodging away from home. Either of these methods imposes a financial burden difficult, and often impossible, to bear. To require the rural child of High School age to board and lodge in town is to separate him from parental supervision during a critical period in the formation of his character, and also to expose him to the danger of forming tastes, interests and ideals out of harmony with rural life.

Even for those rural pupils who live in close proximity to the High and Continuation Schools, the course of study offered there may not be wholly satisfactory. This course consists almost exclusively of the academic subjects leading to Matriculation into Universities or Entrance into Normal Schools. These, while very desirable from the standpoint of general education, are insufficient for the needs of the boy who is going to stay on the farm. He requires some other studies and activities which have a more direct relation to his future career.

No child who leaves school when he has reached the High School Entrance standard is adequately prepared for his vocation in life or for the duties of citizenship. The farmer requires for the successful operation of his farm something more than the rudiments of education furnished by the elementary school training. Furthermore, the child whose school training is finished with the High School Entrance is leaving school just when his reasoning powers are beginning to develop and when ideals of conduct are beginning to shape his action. To give him no further school training is to deprive him of a great opportunity for the cultivation of that trained intelligence and those worthy ideals of behaviour which have been emphasized as conditions of the highest type of citizenship. Secondary school training for the country boy and girl is not a luxury but a necessity.

7. The rural schools cannot be regarded as having completely fulfilled their function unless they provide part-time courses for those pupils who wish to advance their academic education, or for those more mature students who wish to secure some vocational training There was a time when young men and women past the ordinary school age flocked to the rural school for the winter months when work on the farm was slack, and were instructed in those subjects which they felt had a special usefulness to them. The rural school has lost this important function. The comparative rarity of the experienced male teacher in the country is probably the explanation. There is a natural disinclination on the part of young men and women to place themselves under the instruction of the immature and inexperienced woman teacher commonly found in the rural school. The obsolescence of these "part-time courses" is regrettable from both the educational and the social standpoint. These young students brought to their tasks an industry and an intensity of purpose that accomplished quite surprising results in view of the handicaps encountered. And they were afforded some opportunity for that association with others which the adolescent youth demands, and which does so much to relieve the social monotony of rural life. There should be some means whereby these part-time courses could be re-established, upon a more substantial basis, of course, than that on which they were formerly built.

8. The method of administration of the rural schools of the Province constitutes another source of weakness. Like the schools themselves, this method is the product of a generation and of conditions that have long passed away. The administration of each school by a local board of three members met these conditions better perhaps than any other system that could have been then devised. But now these conditions have vastly changed. The complete opening up of the land for settlement, the construction of good roads, the general use of the automobile and telephone, have brought all the residents of the township as near to each other for practical purposes as residents of the section were two or three generations ago. Moreover, co-operation and organization on a large scale in many fields have become important features of rural life. It seems logical that, in view of the changed conditions, there should be possibilities of improvement in the present method of administering the rural schools.

Membership on the board of trustees in rural sections is a form of social service that does not always appeal to the best type of men in the community. It may be that the functions of that body have become so limited that men of standing consider that it does not give sufficient scope for their abilities. It is certain, at any rate, that it is often difficult to secure men to act on the board. The question at annual school meetings is not always, "Who is the best man for trustee?" but often, "Whom can we get to take the job?" It is notorious that, in many school sections, it is often difficult to transact the business of the annual meeting because of an insufficient attendance of electors. There is, in general, too much popular indifference in the rural community to the work of directing the only educational institution in it, and to this indifference may be ascribed some of the inefficiency of that institution. The problem here is how to enhance the importance of the office of administrator and to intensify popular interest in the administration.

Possible Solutions

A review of the factors enumerated above as the causes of the inefficiency of the present rural school organization will suggest that the problem of securing efficiency resolves itself into a series of problems of how to supply the inadequacies set up by these conditions. In other words, the solution is to be found in providing means whereby: (1) the tenure of office of the teacher may be prolonged; (2) a larger number of children may be brought together for their education; (3) a greater part of the teacher's time may be given to the instruction of each class; (4) a proper attitude towards rural activities may be developed in the pupils; (5) facilities for the teaching of agriculture, household science, and manual training may be supplied in the elementary school; (6) a secondary education, including some vocational training, may be placed within reach of every pupil; (7) a part-time course for further academic or vocational training for older pupils may be available; (8) an improved method of school administration to develop greater popular interest may be set up. The following plans are proposed as partial solutions of these problems. There is no single universal solution for all of them.

1. Improvement of the Existing Rural Schools

It has already been pointed out that the present rural school is capable of efficient work under the exceptionally gifted teacher. The rural child comes to school with an equipment in one respect superior to that of the average urban child. He has already developed certain habits and ideals of industry from his having been required to perform regularly certain definite tasks or "chores," assigned by his parents at home. The city boy, unfortunately, is not often given this valuable training. If the rural pupil carries over these habits and ideals of industry into the field of school work, he has an equipment which, if he is given a reasonable chance, will enable him to accomplish surprising results educationally.

One possible solution of the problem is, therefore, the improvement of the existing rural schools. The physical conditions can be easily improved. The school buildings can be made more attractive within and without, the equipment can be extended, the playgrounds can be enlarged and beautified, the sanitary conditions can be improved. Local pride should be stimulated in some way in order to bring about these desirable changes. In some sections, local organizations, particularly the Women's Institute, have done excellent work in this connection. This sort of social service should receive recognition and encouragement.

But valuable as this work in the direction of the improvement in the physical conditions of the schools undoubtedly is, it is still more important that the standard of the teaching and management should be improved. We are fortunate in Ontario in the fact that practically all the teachers in our elementary schools have been trained, a large proportion of them being graduates of the Normal Schools with a year's professional training. Yet, notwithstanding this fact, the young teacher is often ill-equipped to cope with the new situations in teaching and management with which he is daily confronted in the rural school. The Inspector can seldom pay more than two half-day visits to the school each year, and hence has little opportunity to give much-needed assistance and inspiration. One remedy is apparent. The number of schools under the supervision of each Inspector should be materially reduced in order to give him opportunity to visit each school more frequently, and to spend more time with each teacher. Only in this way can the Inspector fulfil adequately his most important function; viz., to supplement the work of the training school in improving the teacher's technique and in inspiring him with greater enthusiasm for his task.

Another partial remedy would be the appointment in each Inspectorate of a number of itinerant teachers for work in the special subjects, agriculture, household science, and manual training. Already provision is made, by Section 113 of the Public Schools Act, whereby township councils, or individual school boards or groups of school boards, may engage the services of such instructors, and provide for the payment of their salaries by special levies. But, though this provision has been in the Statutes for many years, it seems never to have been taken advantage of to any appreciable extent by these rural authorities. It would appear necessary, therefore, if anything is ever to result from the provision, that the appointment of such instructors should not be merely a discretionary matter. It is a question, too, whether the method of appointment and the provision for the payment of salaries might not advantageously be changed. The appointments, however made, should be subject to the approval of the Inspector, and generous Legislative grants should be provided to assist in the payment of salaries.

2. *The Consolidation of Rural Schools*

Consolidation of rural schools solves most, if not all, of the problems that arise out of the inefficiency of the schools as stated in a previous section. To particularize: (1) it provides more attractive conditions under which the teacher may work, and hence tends to prolong his tenure of office; (2) it brings together larger numbers of children and secures the mental and moral stimulus arising therefrom; (3) it provides a graded school system, and thereby gives to each class a larger share of the teacher's time; (4) it gives the rural child, in a comfortable and attractive environment, an education that fits him for rural life and maintains his sympathy with rural conditions; (5) it affords facilities for the teaching of agriculture, manual training, and household science; (6) it provides high school training without the necessity of sending pupils away from home; (7) it opens up possibilities for part-time instruction in academic and vocational work for older students; (8) it enlarges the administrative unit from the small single section to the consolidated section, and adds importance and interest to the office of trustee.

But, though consolidation may be regarded as the ideal solution of most of the rural school problems, it cannot as yet be regarded as a scheme immediately and universally practicable. In the first place, the topographical conditions of the district make it difficult for many sections to enter a consolidation with others advantageously. In the second place, the capital cost in initiating a consolidation is somewhat high, and requires careful consideration before undertaking it. It is therefore not surprising that the electors of many school sections, while appreciating the educational advantages of consolidation, hesitate to assume the financial obligations connected with it. This is particularly true in the case of those sections that have school buildings that are still serviceable and too good to abandon.

The method adopted in this Province in instituting consolidated schools is specified in the Consolidated Schools Act of 1919. Briefly, the procedure is as follows: School sections are empowered to enter into agreements with other sections to consolidate their schools. The agreement, signed by the representatives of the various sections, is transmitted to the Minister of Education for his approval. If the agreement receives the Minister's sanction, the consolidation becomes effective forthwith, and the consolidated section elects a board of five trustees to administer its affairs. The method of deciding whether to enter the consolidation is that prescribed by the Public Schools Act for the decision of all school questions; viz., a majority vote of the electors of each section. The plan thus throws the entire responsibility for the decision upon the electors. The Department of Education sets the stamp of its approval upon the principle of consolidation by providing for the payment of liberal grants for building, for transportation of pupils, and for other special purposes. It also provides for extending the information of the people upon the subject by the publication and distribution of bulletins, and by sending out speakers to address public meetings when requested.

Prior to the passing of the Consolidated Schools Act in 1919, consolidated schools had been established in the Province at only three places; viz., Guelph, Hudson, and Tamworth. Since 1919, twenty-three others have been constituted, thirteen of which are in full operation, two in partial operation, and others at various stages of progress in building. Many of these consolidations are purely rural; some are partially urban. Tables will be found on pages 282-286 giving certain statistics of the consolidated schools at present operating, and in course of construction.

As might be inferred, the scheme adopted at the outset for the consolidation of schools in the Province was merely tentative and experimental. It was anticipated that experience in working out this scheme would reveal weaknesses and suggest means of remedying these. While on the whole the plan has proved to be wise, and successful in its operation, there are certain details in which it lends itself to improvement.

(a) There has been no comprehensive scheme of consolidation worked out in any county or inspectorate. The schools that have been consolidated have been selected usually without reference to the chances of adjacent schools for entry into a favourable consolidation later, and sometimes without due regard to the possibility of adequate financial support in the future. This more or less haphazard method of selection should give place to a more systematic plan of procedure. A careful survey of each county should be made in order to determine the most favourable and economical grouping of schools for consolidation. The grouping would, of course, be tentative and subject to later readjustments. It should have regard to such factors as the physical and topographical conditions of the various localities, the total assessment of the sections proposed for each group, the possibility of establishing economical conveyance routes, and the number of children to be educated. When a satisfactory scheme has been determined, maps should be prepared showing the proposed grouping of the sections. To give publicity to the proposals, a campaign should then be launched, the main purpose of which would be to get the people to think in terms of a county-wide scheme of consolidation. It would be understood, of course, that the proposals should not necessarily be regarded as a plan for immediate adoption, but rather as a statement of future policy, the consolidations being instituted when the time therefor should appear ripe.

Many groups might, in fact, never be actually consolidated. Only through the adoption of some such systematic and comprehensive method of procedure as this can consolidation achieve its highest possibilities.

(b) The law defining the method of deciding upon consolidation might advantageously be amended. While this method is supremely democratic, and leaves each section entirely to its own discretion as to whether it enters a consolidation, it is questionable whether it does not place unnecessary obstacles in the way. A few active opponents in any one section, who probably have no direct interest in education, may block a promising consolidation. A more effective method of initiating consolidations is one in operation in the State of Minnesota. There consolidations have been rapidly established and are highly successful. The procedure in initiating them is as follows: On the petition of 25 per cent. of the ratepayers in each of a group of school sections to the County Superintendent of Schools, a vote may be taken over the whole area proposed to be consolidated. A majority vote over the area decides the question. The adoption of this plan in Ontario would involve a slight departure from the purely democratic basis of the present method of decision, but its success in other places might justify a trial here.

(c) The present Regulations determining the grants for consolidated schools should be revised. The basis upon which the building grants are now calculated would be quite equitable if all the consolidations were of nearly equal size. But this is not the case. A small consolidation requiring a school building of two class-rooms is able, under the Regulations, to demand the same amount in building grants as a large consolidation requiring a building of six or eight class-rooms. This discrimination against the larger consolidation has a tendency to encourage the smaller, which would seem to be undesirable. A remedy for this defect would be to arrange the grants on a sliding scale, apportioning the amounts on the basis of the number of sections in the consolidation and the number of class-rooms required.

The fixed grant on the salaries of the teachers of consolidated schools, at present $100 for each, might justly be increased. The purpose of this grant is to reimburse school boards in part for the more generous scale of salaries that have to be paid in order to secure the most competent teachers available. Under present conditions, what is gained by this fixed grant is partially lost by a reduction in the regular grants on salaries, because the combined assessment of the consolidated section places it in a higher class with lower grants than that in which the original sections were placed. The difficulty might be overcome merely by dividing the total assessment by the number of sections consolidated and allowing the amount thus secured to determine the class in which the consolidated section should be placed for purposes of calculating the regular grants.

Some arrangement should be made whereby a grant may be paid on the cost of vehicles provided for conveyance, where these are owned by the section. At present, at some of the schools, the vehicles are provided by the drivers, while in others they are provided by the section. In the latter case, the wages of the drivers are considerably less than in the former, and the transportation grant paid by the Department is accordingly less. Some plan of reimbursing these sections for part of the cost of the conveyances would equalize matters. For instance, the conveyances might be included with the approved equipment of the consolidated school, upon which the Department, by section 36 (1) (f) of the Regulations of the Consolidated Schools, pays an initial grant of 25 per cent. of the value.

3. *Provision for Secondary School Education*

As has been already suggested, the consolidation of schools offers the best solution of the problem of providing secondary school facilities for rural communities. Where consolidation is not feasible, however, some other provision should be made to bring a secondary school education within the reach of every boy and girl in the rural areas. In addition to academic instruction in the ordinary High School subjects, there should also be facilities for some vocational training. It has already been pointed out that the rural schools, as they are at present constituted, cannot adequately provide for this. The following plans are suggested to meet the situation:

(a) The present Continuation Schools and High Schools might be more fully utilized for rural pupils, if some scheme of transportation were devised.

(b) Rural or Township Continuation Schools might be established at strategic points where other secondary schools are not accessible. In connection with these, home-making or agricultural departments might be instituted, if desired, under the provisions of the Vocational Education Act. A transportation system might also be devised.

Methods of Establishment of Township Secondary Schools

Three methods of instituting these schools may be suggested, the first two of which are already in more or less extensive operation in the rural districts.

(i) They may grow out of local conditions naturally, much as the Continuation Schools do to-day, one section establishing the school, and extending the privilege of attendance thereat to the pupils of other sections under the financial conditions at present provided for.

(ii) They may be the result of the consolidation of several sections for secondary school purposes only. Arrangements similar to those made for the ordinary consolidations in the matter of agreements among the sections are already provided in the Continuation Schools Act. In this connection, provision might be made for Legislative grants for the conveyance of pupils.

(iii) They may be provided in a more formal and systematic way by the institution of Township Boards of Education. This proposal demands somewhat detailed treatment.

Township Boards of Education

The initiatory steps in establishing Township Boards of Education should not be difficult to devise. Permissive legislation might be secured whereby the Township Council should be empowered to arrange for the election of a Township Board of Education, at the request, say, of a number of rural school boards representing more than half the total assessment of the township. If thought desirable, this request of the local board might be fortified by a formal vote to that effect by the electors of the section at a regularly called school meeting. Another plan might be to empower the Township Council, on the petition of a sufficient number of electors to submit a by-law for the establishment of a township board to a vote of the electors of the township at large. Still other, and perhaps more satisfactory, plans of instituting these boards might be devised; but it would be desirable that, in any plan adopted, the electors should have a direct voice.

The Township Board of Education should consist of five members, elected for a period of three years, with the usual provision for maintaining continuity by the retirement of only a part of the board each year. It should be given authority to locate secondary schools where it deemed them advisable, to arrange for their erection and equipment, to engage the teaching staffs, to provide means for the conveyance of the pupils, and to perform all other duties at present assigned to High School boards. In order to secure economy and uniformity of administration, it should be arranged that continuation schools already established in the township, and not supported exclusively by an incorporated village or town, should automatically pass under the management of the township board. In that case, certain financial adjustments would have to be made, in order not to penalize localities which had already paid for, or partially paid for, schools of their own.

Permissive legislation might at the same time be secured giving to school sections the privilege of dissolving their present local boards and of handing over the management of their elementary schools to the township board. The basis upon which this might be done is a detail that would be easily worked out. For instance, it might be a similar method to that adopted in initiating the township board; viz., a request from a number of sections representing more than half of the total assessment of the township, or a formal vote on the question by the township at large. At first sight, it seems extremely improbable that many sections would voluntarily relinquish the purely local control of the schools that they at present possess, and hand it over to a more centralized body. But it is just possible that, if the work of the township board in the field of secondary education were efficient and successful, the electors might view with favour the extension of its function to the field of elementary education as well. Such a contingency would justify permissive legislation to that effect.

Financing of Township Secondary Schools

The financing of the Township Continuation Schools, including vocational departments, should be accomplished by the same method as that provided for the other secondary schools of the Province.

Conveyance of Pupils

It is apparent that if secondary education is to be made accessible to all the rural areas of the Province, some method of transportation of the pupils will have to be provided. Admittedly the greatest difficulty in the operation of Township Continuation Schools, or the utilization of the present High and Continuation Schools for the more complete advantage of rural communities, would be the institution of a satisfactory system of transportation. The distances covered by the conveyances would necessarily be great, the homes of the pupils would be widely separated, and the pupils themselves would be comparatively few in numbers.

But these difficulties should not be insuperable. It should not be necessary to provide for the conveyance of pupils who live within two miles of the school. Pupils of high-school age may reasonably be required to walk that distance or arrange for their own conveyance. Whether regular vans would be required for the rest of the area to be served would depend on local conditions. Probably in many cases, some plan of co-operation in transportation might be arranged among parents in a certain area, if satisfactory financial conditions could be made. Other variations might be suggested, but the schemes adopted would have to be left to local arrangement.

The Legislative grants for transportation ought to be generous, in order that the advantages of rural districts from the standpoint of secondary education may be placed as nearly as possible on a par with those enjoyed by urban communities. Probably a "flat" rate of a certain amount per pupil transported, arranged in a sliding scale according to distance, would be the most satisfactory. For instance; a schedule might be arranged as follows: For conveyance of each pupil (a) outside a radius of two miles but within a radius of three miles, $——; (b) outside a radius of three miles but within a radius of four miles of the school, $——; etc. A pro rata decrease (or increase) of these grants might be provided for, in case they exceeded (or did not reach) a certain minimum percentage of the actual cost of transportation. In the State of Connecticut, a flat rate of $35 per pupil is granted by the Legislature for transportation to approved non-local schools.

Township Secondary Schools not Purely Vocational

It is not intended that these Township Continuation Schools should be exclusively vocational schools. On the contrary they should be so constituted, and the courses of study should be so arranged, that the farm boy or girl may secure an academic education which leads to the University or to the Normal School. But it is expected that these schools will offer to the boy who chooses a farm career, not only a sound academic education, but also every possible advantage to fit himself most effectively for his vocation.

4. Provision of Part-time Courses

With the establishment of Township Secondary Schools, or the more complete utilization of the present High and Continuation Schools for rural pupils, it would be possible to establish part-time courses on a comprehensive basis. Each of these schools, in addition to the regular courses of the secondary schools, might offer part-time courses for those pupils who desire to advance their academic education in particular subjects and to obtain special vocational instruction. These courses could be arranged for parts of the year most convenient for these pupils to attend.

The regular staffs of the schools would, in most cases, have to be supplemented by a corps of itinerant instructors for special vocational work, each of whom would concentrate the work of the students in his field for several days in one school, and then pass on to another. The initial difficulty would be to obtain competent teachers for this itinerant work, but doubtless they would be discovered or developed as the system grows, just as competent instructors have been secured in the technical and industrial fields in urban centres. The Department of Education should assist in the payment of the salaries of these teachers by liberal grants for that purpose, as is at present done in the case of the Technical Schools.

The same transportation arrangements as are provided for the full-time pupils of the Township Continuation Schools should, of course, be available for the part-time pupils.

5. Improvement in Rural School Administration

The most hopeful possibility of improving the method of administration of the rural schools lies in the direction of enlarging the geographical unit from the section to the township. The great difficulty in making such a change would be to persuade school sections to relinquish voluntarily the prerogatives they have enjoyed for so long a time. Privileges exercised for generations are not lightly parted with. Township boards for the administration of rural schools are not likely, therefore, to be very generally established on a voluntary basis, at least in the near future. There may be insuperable difficulties in Ontario to have them established on a compulsory basis. Yet in the United States, at least eight States; viz., Massachusetts, New Hampshire, Vermont, Maine, New Jersey, Indiana, Ohio, and Pennsylvania, have instituted township boards under a compulsory law, and apparently without arousing any serious popular opposition to the scheme. In fact, reports indicate that the great majority of the people are well satisfied. Seventeen other States have permissive legislation for the establishment of township boards.

The most promising plan for the establishment of township boards in this Province would seem to be in instituting such boards, in the first place, for secondary school purposes, and then providing for the extension of their function to elementary schools as well. If, however, this plan is not deemed advisable, there could be no objection to providing permissive legislation in the matter of township boards to replace the present section boards for the elementary schools. This secured, an educational campaign might be inaugurated, and a few such boards might be established. As the successful operation of these became impressed on the public mind, more and more such boards would be gradually set up. The manner of their establishment might follow the lines suggested above for the institution of Township Boards of Education for secondary schools.

What advantages would be secured for rural districts through this proposed enlargement of the administrative unit for elementary school purposes? They may be briefly stated as follows:

(1) The substitution of township boards for section boards would enhance the importance of the office of trustee, and would attract the services of the highest type of men and women because of the wider field of activity provided.

(2) School houses would be more likely to be located where needed, and built when required; and there would be more probability of equality in the provision of buildings and equipment.

(3) There would be a greater tendency to restrict the number of schools to necessary limits, and to combine schools that have a small attendance, thus securing much-needed economy.

(4) There would be absolute equality in the distribution of the financial obligations for school purposes.

(5) There would be more efficient and economical supervision, as the Inspector would have to deal with only one central body of five men in each township instead of fifteen or twenty section boards of three members each.

(6) There would probably be less frequent change of teachers from one school to another, as the levelling of the salaries paid, and the uniformity in provision of building and equipment would arrest the tendency to shift about.

(7) The scheme would naturally lead to the consolidation of schools, and would ensure that consolidation would be carried out in a systematic manner. Schools would be grouped together in the most economical way, and the interests of no school would be jeopardized by making it impossible for it to enter a favourable consolidation.

On the other hand, what are the disadvantages of the scheme of township boards for rural schools? The most serious seem to be the following:

(1) There are some rural schools that are justly the objects of a certain degree of local pride, which the withdrawal of these from purely local control would tend to diminish.

(2) With certain boards, there would be a possibility of unfair treatment of some schools in the matter of buildings, equipment, and teachers.

(3) There would be an initial difficulty in finance. If all the sections in the township were at the outset on a par with regard to building and equipment, there would be little possibility of unfairness. But in case some sections had recently built and paid for new schools, while other sections were badly in need of new buildings, it might be regarded as unfair to the former to require them to assist in paying for new schools for the latter. It would be possible, however, to make at the outset certain financial adjustments to overcome the difficulty. But even if such initial adjustments were impossible the inequalities would be righted in the course of years, for eventually the turn of each school for improved buildings and equipment would come.

It is almost inevitable that there should be objections to any new scheme suggested. The balance of advantage seems, however, to be largely on the side of the township, rather than on the side of the section, as the unit of administration.

Summary

The proposals contained in this report may be briefly summarized as follows:

1. To secure greater economy in expenditure, close certain schools with a low average attendance, and transport the pupils to adjacent schools.

2. To secure greater efficiency:
    (a) Improve the material conditions of the rural schools; give the Inspector more time for supervision; employ itinerant teachers for special work.
    (b) Where feasible, consolidate elementary schools; but institute a comprehensive scheme of consolidation, modify the method of procedure, and revise the schedule of grants.
    (c) Provide secondary school facilities for every rural child by utilizing more fully the existing secondary schools, by consolidating the rural schools, and by establishing township secondary schools under township boards; institute a system of transportation for pupils at a distance.
    (d) Provide part-time courses for academic and vocational work; for the latter, employ itinerant teachers.
    (e) Enlarge the administrative unit for the rural elementary schools, either through permissive legislation for that purpose, or through extending the authority of township boards for secondary schools to the management of the elementary schools as well, at the discretion of the people concerned.

APPENDIX F

REPORT OF THE INSPECTOR OF MANUAL TRAINING AND HOUSEHOLD SCIENCE

To the Honourable R. H. Grant, M.P.P.,
Minister of Education for Ontario.

Sir:

I have the honour to submit herewith my twenty-second annual report on Manual Training and Household Science as carried on in the schools of the Province.

I have the honour to be, Sir,

Your obedient servant,

Albert H. Leake.

Toronto, December 1922.

General Progress

Manual Training and Household Science in the schools of the Province has proceeded very largely along the lines followed in previous years, though there has been a general improvement in organization, methods of teaching and in technical manipulation. A gratifying feature of the situation is that in nearly all new schools that are being planned it is proposed to make adequate provision for both these subjects. New centres have been opened in Hamilton, Ottawa, Chatham, St. Catharines, Walkerville, Windsor, and Lakeview Beach, while centres in Fort William, Port Arthur, Smith's Falls and Kitchener have been temporarily closed.

There is a tendency in a large number of Manual Training centres to unduly stress the wood work, but this should not be regarded as of greater importance than the "working drawing." While the drawing generally proves less attractive than the actual construction its educational value is no less and its execution is necessary in order that the work of construction may be intelligently done. In place of the working drawing a free-hand dimensional sketch may occasionally be substituted. The practice of rapid free-hand sketching is too much neglected but the boy who possesses the ability to transfer his ideas rapidly to paper always has clearer thoughts and is apt to become a more efficient workman than one who has not this power. More attention should be paid to simple lettering as the drawings are considerably improved by its use. In some cases the decoration of the Manual Training room is receiving adequate attention but in too many it is neglected. There is no reason why this room should look like a barn and there is sufficient material connected with the subject to make the room attractive and thus exercise a beneficial and educative influence upon the students.

Sewing in the schools is receiving much greater attention not only in towns and cities but also in the smaller places. Ottawa, Toronto and Hamilton have special supervisors of this subject, whose work it is to see that the subject receives adequate attention in the lower grades. The cookery is becoming more practical and the use of small infinitesimal quantities is becoming rarer though even yet far too common. Wherever possible, and it is possible in most cases, the family meal should be the basis of the instruction though the small quantity is and will be necessary for experimental and educational purposes. For many years it was the practice to confine the instruction exclusively to cookery, but now there is a growing tendency to devote due attention to other problems of general household management.

Manual Training and Household Science have both been under a serious handicap in the schools owing to the fact that they are regarded as extras. Notwithstanding their general adoption they have forced their way by merit and not by compulsion. They hardly seem yet to form an integral part of the curriculum. Those few schools that have not introduced them, argue that there are already too many subjects on the curriculum and that they cannot find time and those schools in which they are taught, while not unduly complaining of the burden, yet wish that better provision could be made by the omission of something else, or at least that they might constitute an option in the course of study.

The Centre System

The centre system of instruction is generally adopted. Rooms are equipped in some central schools and children from the other schools attend this centre at stated periods. In the larger cities a number of centres are required. This method has some disadvantages, particularly in the fact that it necessitates the pupils being on the streets on the way to or from the school during school hours. In some of the larger cities an attempt is now being made to overcome this difficulty. In the larger schools the Manual Training teacher and Household Science teacher each take charge of their subjects throughout the whole school and spend their whole time with the pupils of the one school. This ensures continuity of instruction throughout all the grades and gives to the pupils of the lower grades instruction in the elementary forms of Manual Training and Household Science which is often lacking when the subject is unorganized and left to the grade teacher. When the subject is continuous after this manner the pupils are able to do more advanced work when they enter the Manual Training room or Household Science room. This plan is being followed very successfully in the new type of school known as "Rotary" in Windsor and Hamilton. There is no reason why this plan of continuous instruction in Manual Training and Household Science throughout the grades could not be followed in all large schools.

Training of Teachers

Household Science teachers are now being trained at the College of Education where we have a small but efficient Department which gives one full year of training in Household Science to students who already hold a Second Class professional certificate. Additions to the College building are now being erected and it is expected that more extensive provision will be made for the accommodation of candidates for the certificate qualifying teachers to give Household Science instruction in the urban schools. Courses are also given at the Macdonald Institute at Guelph and qualifying certificates are given to students of those courses who fulfil certain conditions laid down by the Department of Education.

At present there is no provision made for qualifying Manual Training teachers other than that made in summer schools. Training classes were formerly held at the Ontario Agricultural College, but owing to the extension of college activities and the introduction of new courses provision could no longer be made there and we are now without adequate facilities for training the necessary teachers. Training classes should be established either at the College of Education or in connection with some other institution. Now that all the ex-service men, who were trained for this purpose, are all absorbed by the schools the whole question of providing an adequate supply of teachers should receive early attention.

Summer Schools

During the year two summer schools in Manual Training were held and one in Household Science. One of these courses—Industrial Art and Design—was given in the Technical School, and was the second course given for the purpose of offering an opportunity to teachers holding the Elementary certificate in Manual Training to obtain the Ordinary certificate. The second course was given at the College of Education for the purpose of qualifying for the Elementary certificate. In order to obtain this certificate attendance is required at two summer sessions.

The Household Science course was given at the Technical School. This course has shown a steady growth. In 1920 it was attended by eighty-two students, in 1921 by ninety-seven students and in 1922 by one hundred and twenty-seven students. All the teachers attending are actually in service in the rural schools of the Province and the work taken deals entirely with the possibilities of the rural schools with reference to Household Science and the serving of a hot dish to supplement the lunch brought from home. The students almost invariably do good work and leave with the expressed intention of introducing the work, if at all possible, into their schools the following year.

Saturday Classes

The summer schools above referred to are held for five weeks in the summer during July and August when the schools are closed. The experiment initiated two years ago of holding classes on Saturdays throughout the year has proved successful. Classes were held at London and Hamilton Normal Schools in Manual Training and Household Science. Most of these teachers were already teaching the subjects in their schools, and others were anxious to do so. The Inspectors of the districts where the classes are held are unanimous in their opinion as to the efficiency of these classes and I am of the opinion that they should be extended to all the Normal Schools where there is a demand for them. In each case the classes have been established on the direct request of the Public School Inspector concerned. The latest request for such classes comes from Ottawa and a course will be established there commencing January 6th, 1923. The course given is exactly the same as that given at the summer schools and the same standing is granted. Students taking these courses attend the summer school in Toronto and take Part II of the work thus completing the course for the Elementary certificate in one year.

Rural Schools

Great progress has been made in the introduction of Manual Training and Household Science into the rural schools. In the year 1920 these subjects were taught in one hundred and ninety-eight schools In 1920-21 three hundred and eight schools and in 1921-22 four hundred and twenty schools, and the prospects are that the numbers will be largely increased during the coming school year. This increase has been brought about, first, by the training of teachers in the classes above referred to and, second, to the growing appreciation of the beneficial effects of the work on the health of the pupils, the morale of the school and the general improvement of the work of the pupils in the afternoon. Letters are constantly being received from Inspectors and Trustees expressing their approval of the work the Department is doing in this connection.

Grants to Teachers and Trustees are paid by the Department. Owing to the Legislative appropriation in 1920-21 not being sufficient to pay these grants in full, a reduction of 35 per cent. in the case of the Public Schools and 54 per cent. in the case of Separate Schools had to be made. This naturally caused great disappointment, but when the grants were made up for 1921-22 the Minister found it possible to refund the amount of this reduction. This action, it is needless to say, met with the cordial approval of the three hundred and eight Trustee Boards and the three hundred and eight teachers who were the recipients of cheques for the amounts that had been deducted.

Interest in the subject is rapidly growing in the Province. Constant requests are being made for information, advice and public addresses on this subject. Information is always gladly and fully given and as far as my other official duties will permit, invitations to address public meetings are always accepted. The scheme under which grants are now paid to Rural Schools for these subjects is as follows:

THE PUBLIC AND SEPARATE SCHOOLS

Special Provisions for Manual Training and Household Science in Rural and Urban Schools

(1) The Board of a rural or an urban school which is unable to comply with the provisions of the General Regulations, but which maintains classes in Manual Training as applied to the work of the Farm or in Household Science suitable to the requirements of the rural districts, which employs a teacher or teachers qualified as below, and which provides accommodations and equipment and a course of study, approved by the Minister before the classes are established, will be paid by the Minister the sums provided in the scheme below, out of the grants appropriated therefor; said grants to be expended on the accommodations, equipment, and supplies for Manual Training and Household Science. In no year, however, will the Departmental grants exceed the total expenditure of the Board for these classes.

(2) On the report of the Inspector of Manual Training and Household Science that the organization and the teaching of the classes in Manual Training or Household Science maintained as provided above are satisfactory, an annual grant will be paid by the Minister out of the Grant appropriated according to the following scheme for each room equipped:

(*a*) (i) When the teacher holds a Second Class certificate but is not specially certificated in Manual Training or Household Science—
Initial Grant: to Board, $40; to teacher, $15.
Subsequent Grant: to board, $20; to teacher, $15.

(ii) When the teacher holds a Second or Third Class certificate and has satisfactorily completed the work of one Summer Course in Manual Training or Household Science, provided by the Department, and undertakes to complete Part II the following year, or receives permission from the Minister to postpone said part—
Initial Grant: to board, $40; to teacher, $20.
Subsequent Grant: to board, $20; to teacher, $20.

(*b*) (i) When the teacher holds a Second or Third Class certificate and in addition to the Elementary certificate in Manual Training or Household Science—
Initial Grant: to board, $75; to teacher, $40.
Subsequent Grant: to board, $30; to teacher, $40.

(ii) When the teacher holds a Second Class certificate and in addition the Ordinary certificate in Manual Training or Household Science—
Initial Grant: to board, $75; to teacher, $50.
Subsequent Grant to board, $30; to teacher, $50.

(*c*) When a school taking up Household Science provides at least one hot dish for the pupils staying to lunch from November 1st to March 31st, the above grants to the teachers of Household Science will be increased $10.

Government Grants

The scheme under which Urban grants are paid was introduced many years ago, and only one change has been made and that was in the nature of a reduction. When the amounts now paid were established they were ample for the purpose, but the cost of equipping Manual Training and Household Science rooms is now three times as much as it was then and the grants in view of present conditions are not adequate. During the coming year the question of the revision of these grants should be considered.

Manual Training and Household Science Centres

It would take up too much space to list the four hundred and twenty rural schools where these subjects are taught, but any School Board that is considering their introduction will be gladly furnished with the names of the nearest schools where the subjects may be seen in operation.

In urban centres special rooms are equipped for these subjects and the following list gives the names of the various centres with the names of the teachers and the salaries received:

Manual Training Centres in Ontario

Place	School	Teacher	Salary
Beamsville	High School	W. J. Lowrie	
Brantford	Collegiate Institute	James C. Coles	$2,300
	Central Public School	Arthur Styles	2,400
	Major Ballachy School	G. C. White	1,900
Brockville	Public School	Geo. E. Cox	2,000
Chatham	Collegiate Institute	C. M. DeGroat	1,900
	Public Schools	C. M. DeGroat	
Collingwood	Public School	Victor Ellis	1,900
Cornwall	Public School	D. Cornell	1,700
Fairbank	Public School	F. W. Hiley	1,700
Fort William	Collegiate Institute	I. B. Pengelley	1,800
	Public Schools	Temp. closed	
Galt	Collegiate Institute	F. J. Phalen	2,000
Guelph	Consolidated School	Guelph Student (2 half days) per week	200
	Public School	J. T. Powers	1,850
Hamilton	Collegiate Institute	Fred. Taylor	2,200
	Normal School	A. J. Painter	1,500
	Caroline St. School	A. E. Wilcox	2,300
	Earl Kitchener School	J. A. Gee	1,800
	King George School	Frank Bowers	2,100
	Memorial School	W. O. Morrow	2,100
	Bennetto School	J. Hetherington	1,800
	Wentworth St. School	Temp. closed	
	Adelaide Hoodless School	Sydney Collier	1,700
	Prince of Wales School	Sidney Hayer	2,100
Ingersoll	Collegiate Institute	Norman L. Weir	1,600
Kingston	Public Schools	Ezra E. Parkhouse	1,900
Kitchener	Collegiate Institute	Temp. closed	
	Public Schools	R. M. Gillespie	1,700
Listowel	Public Schools	Eric T. Hawkins	1,500
London	Collegiate Institute	W. A. Adams	2,700
	Aberdeen School	S. R. White	2,500
	Alexandra School	E. Geiger	2,100
	Boyle School	George Cowie	2,000
	Chesley School	R. L. Shortill	1,600
	Lord Roberts School	G. G. Scott	1,600
	Riverview School	S. R. White	2,500
	Ryerson School	G. Cowie	2,000
	Tecumseh School	R. L. Shortill	1,600
	Normal School	S. Pickles	2,400
Madoc	Public School	J. B. Hough	1,850
Niagara Falls	Collegiate Institute	W. F. Currie	2,000
North Bay	Normal School	J. E. Chambers	2,400
Orangeville	Public School		

Manual Training Centres in Ontario (Concluded)

Ottawa	Normal School	J. S. Harterre	$2,400
	Cambridge St. School		
	Connaught School	Geo. F. Rowe	2,400
	Creighton St. School		
	Elgin St. School	Arthur Crowson	2,600
	First Ave. School	Walter Myrick	
	Glashan School	Arthur M. Lee	2,100
	Hopewell Ave. School		
	Mutchmor St. School	E. C. Wright (Temp.)	2,550
	Osgoode St. School		
	Wellington St. School	J. J. Carter	2,500
	Percy St. School		
	Slater St. School	R. S. Holmes	2,600
	York St. School		
Owen Sound	Collegiate Institute	John Capel	2,000
	Dufferin Public School	F. A. Campbell	1,600
Peterborough	Normal School	A. F. Hagerman	2,540
	Central School	A. F. Hagerman	
	Prince of Wales	A. Hope	1,600
Port Arthur	Collegiate Institute	Temp. closed	
Port Perry	High School	T. H. Follick	2,350
St. Catharines	Public Schools	John R. Seaman	1,800
St. Thomas	Collegiate Institute	P. J. Slatterie	1,800
Sarnia	Lochiel St. School	R. J. Campbell	1,800
	Collegiate Institute	Robert Dobbins	2,200
Sault Ste. Marie	Collegiate Institute	T. J. Later	2,800
	Central Public School	Jas. G. Chrysler	2,200
	West End Public School		
Smith's Falls	Collegiate Institute	Temp. closed	
Stratford	Collegiate Institute	F. J. Tench	2,000
	Romeo School	D. W. Gillies	2,000
	Normal School	S. Pickles	
Sudbury	High School	F. J. Evans	2,400
Toronto	Annette St. School	Jas. O. Close	2,625
	Bedford Park	Cecil V. Webb	2,325
	Brown School	H. J. Baker	2,625
	Connaught School	John C. Darroch	1,925
	Dewson St. School	Edward Slaughter	2,575
	Earl Grey School	Jas. D. Medcof	2,325
	Eglinton School	C. V. Webb	
	Essex St. School	A. J. Rostance	2,825
	Hillcrest School	John Webb	1,925
	Jesse Ketchum School	W. D. Paton	1,825
	Kent School	H. G. White	2,075
	Kimberly School	Wm. R. Beattie	2,625
	King Edward School	A. C. Burt	2,450
	Keele St. School	J. H. Housego	1,925
	Manning Ave. School	T. T. Carpenter	2,625
	Park School	T. Windsor	1,825
	Parkdale School	J. C. Hamilton	2,625
	Perth Ave. School	T. W. Davidson	2,625
	Queen Alexandra School	Wm. M. Flumerfelt	2,625
	Rawlinson School	Wm. E. Smyth	2,325
	Ryerson School	R. H. Pomeroy	2,325
	Victoria St. School	Reta Teahean	1,450
	Wellesley School	G. B. Cairns	1,925
	Williamson Road School	C. G. Mikel	2,325
	Winchester St. School	J. E. Robertson	2,075
	Oakwood Collegiate Institute	R. N. Shortill	2,975
	Riverdale Collegiate Institute	Edward Faw	2,850
	Normal School	J. H. Wilkinson	2,400
Tweed	Public Schools	S. Howard Connor	1,800
Walkerville	Public Schools	E. Greenwood	1,800
	High School	W. S. Day	2,300
Windsor	Collegiate Institute	Wm. L. Carson	2,700
	Collegiate Institute	E. J. Sirrs	2,500
	Assumption St. School	A. V. Shackleton	2,000
	Dougall Ave. School	Norval McKim	2,000
	Wyandotte St. School	George Macaulay	2,000
	Victoria St. School	Norval McKim	
	Prince Edward School	C. D. Thompson	2,000
Woodstock	Collegiate Institute	John S. Mercer	1,700

Household Science Centres in Ontario

Place	School	Teacher	Salary
Belleville	High School	Illah R. Baker	$1,400
Beamsville	High School		
Brantford	Collegiate Institute	Edna E. Hartley	1,900
	Central Public School	Kathleen Vaughan	1,200
	Major Ballachy School	Daveda Ridley	1,200
Brockville	Public School	Margaret Campbell	1,200
Chatham	Collegiate Institute	Helene Pilkey	1,300
	Central School	Anna Jane Weir	1,400
	McKeogh School	Anna Jane Weir	
Cobourg	Collegiate Institute	Grace Boggs	800
Collingwood	Public School	Mary Leona Douglas	1,200
Fairbank (No. 15 E. York)	Public School	Winnifred Cooper	1,100
Fort William	Collegiate Institute	Pearl Trynor	1,500
	Public Schools	Temp. closed	
Galt	Collegiate Institute	G. S. T. Baillie	1.900
Guelph	Consolidated School	Temp. closed	
	Public School	M. Lila Cockburn	1,150
Hamilton	Collegiate Institute	Lola K. Mitchell	2,000
	Normal School	C. Elliott	2,300
	Adelaide Hoodless	Jean Malcolmson	1,050
	Caroline St. School	Edna Currie	1,250
	Earl Kitchener School	Agnes Sharp	1,200
	King George School	Beatrice Beddie	1,450
	King Edward School	Vesta Donaldson	1,100
	Prince of Wales School	L. Doan	1,100
	Memorial School	W. Dowd	1,350
	Picton St. School	Cora Lillian Heaslip	1,200
	Strathcona School	C. Hilton	1,250
	Wentworth School	A. E. Fairlee	1,500
Ingersoll	Collegiate Institute	Sybil M. Kendall	1,350
Kingston	Public Schools	Edna McKibbon	1,250
Kitchener	Collegiate Institute	Temp. closed	
	Victoria School	Helena I. Mackenzie	1,300
London	Collegiate Institute	Mary C. Macpherson	2,600
	Ryerson School	Isabelle Craig	1,950
	Aberdeen School	Isabelle Craig	
	Alexandra School	Maybelle Stuart	1,550
	Normal School	A. B. Neville	2,300
	Boyle School	Grace Graham	1,400
	Chesley School	Isabel Davidson	1,400
	Lord Roberts School	Hazel Cunningham	1,300
	Riverview School		
	Tecumseh School		
	Sacred Heart R.C.S.S.	Gertrude Troy (Sr. Leona)	1,000
Madoc	Public Schools	Grace Burnside	1,050
Niagara Falls	Collegiate Institute	Janette A. Mitchell	1,900
Niagara Falls South	High School	Ruth V. Gardiner	400
North Bay	Normal School	Mayme C. Kay	2,000
Ottawa	Connaught School	Velma Abernethy	1,500
	York St. School	Ida Dawson	1,600
	Hopewell Ave. School	Mary Hutchison	1,500
	Osgoode St. School	Marjorie Johnson	1,800
	Cambridge St. School	Grace Munt	1,600
	First Ave. School	Lucy White	1,700
	Kent St. School		
Owen Sound	Collegiate Institute	F. E. Prichard	1,500
	Dufferin Public School	Bertha F. Olds	1,200
Paris	Public School	Temp. closed	
Peterboro	Normal School	Elizabeth MacVannell	2,200
	Central School	H. J. C. Moffat	2,000
	Central School	Alice E. Ryley	1,200
	Prince of Wales	Alice E. Ryley	
Port Arthur	Collegiate Institute	Temp. closed	
Port Perry	High School	Marion Irene Glasgow	1,700
St. Thomas	Collegiate Institute	Ethel M. Palmer	1,800
	Balaclava St. School	Edith McGregor	1,100

Household Science Centres in Ontario (Concluded)

Sarnia	Lochiel St. School		
	Collegiate Institute		
Sault Ste Marie	Collegiate Institute	Mary P. Shaw	$2,000
	Central Public School	Elsie Ferguson	1,700
	Central Public School	Elsie Preston	1,600
	West End Public School	Bessie M. Boucher	1,350
Smith's Falls	Collegiate Institute	Temp. closed	
Stratford	Collegiate Institute	Margaret J. Langford	1,100
	Romeo Public School	Mary E. McLean	1,100
	Normal School	E. M. Everson	1,900
Sudbury	Collegiate Institute	Clara L. Campbell	2,400
Toronto	Annette St. School	Lucy C. Colbeck	1,250
	Bedford Park	Annie Ernshaw	1,200
	Eglinton School	Annie Ernshaw	
	Brown School	Muriel Powell	1,787
	Brown School	E. W. DeLaporte	1,750
	Jesse Ketchum School	Muriel Powell	
	Jesse Ketchum School	E. W. DeLaporte	
	Connaught School	L. Annie Cheer	2,000
	Connaught School	Adelaide Verth	2,000
	Dewson St. School	Armorel Silver	1,600
	Kimberley School	L. Annie Cheer	
	Kimberley School	Adelaide Verth	
	Earl Grey School	E. Irene Henderson	1,250
	Essex St. School	Ethel O. Farrant	1,800
	Hillcrest School	Constance Reynar	1,600
	Hillcrest School	Marion Ross	1,100
	Keele St. School	Mary Robb	2,100
	Earlscourt School	S. Helen Amos	1,550
	Kent School	Hazel Hendry	1,450
	King Edward School	Mary Foote	2,100
	Lee School	Rhoda M. Ward	1,400
	Manning Ave. School	Marion Sinclair	1,350
	Orde St. School	Jessie J. Hills	1,950
	Orde St. School	Velma Lehman	1,350
	Park School	Augusta E. Shorey	1,100
	Parkdale School	Gertrude Dobson	1,500
	Perth Ave. School	Christina L. Smyth	2,100
	Perth Ave. School	Annie Campbell	1,550
	Queen Alexandra	Luella E. Robertson	1,700
	Queen Alexandra	Blanche Clarke	1,750
	St. Paul's R.C.S.S.		
	Ryerson School	Isabel J. C. Pease	1,700
	St. Francis, R.C.S.S.	Sr. M. Agatha	800
	Victoria St. School	Mabel A. Edwards	1,150
	Riverdale Coll. Institute	Hazel Carscadder	2,200
	Wellesley School	L. Helen Davis	1,300
	Western School	Gladys L. Thompson	1,200
	Western School	Kathleen Coggs	1,150
	Oakwood Collegiate Institute	Muriel G. Sinclair	2,200
	Winchester School	Helen M. Wright	1,500
	Williamson Rd. School	Margaret Milne	1,200
	Normal School	Gladys Breed	1,900
	Normal School	N. Ewing	2,300
	Withrow School	M. Lyle Burgess	1,150
	John Ross Robertson	Annie E. Ernshaw	1,150
Tweed	Public Schools	Florence Garrett	1,000
Walkerville	Public Schools	Helen Rogers	1,800
	High School	Jean E. Beasley	1,900
Windsor	Collegiate Institute	Gladys G. Bond	2,300
	Collegiate Institute	E. A. Glazier	2,500
	Assumption St. School	Grace Rattray	1,600
	Douglas Ave. School	Clara Culver	1,700
	Wyandotte St. School	Joyce Westlake	1,300
	Prince Edward School	Marjorie E. Johnston	1,600
	Victoria School		
Woodstock	Collegiate Institute	Lila K. G. White	1,500

APPENDIX G

REPORT OF THE INSPECTOR OF ELEMENTARY AGRICULTURAL CLASSES

To the Honourable R. H. Grant, M.P.P.,
Minister of Education for Ontario.

Sir,—

I beg to submit for your consideration a report on the Agricultural Classes in connection with the schools of the Province for the year 1922.

I have the honour to be, Sir,
Your obedient servant,

J. B. Dandeno,
Inspector of Elementary Agricultural Classes.

Toronto, December, 1922.

It is gratifying to be able to record substantial progress in Agricultural education in the Primary and Secondary Schools during the past year. The number of schools carrying on effective work is increasing year by year and the general character of the work is also improving. The chief facts relating to the work are given in order to show more or less definitely the situation at the present time.

Number of Ungraded Public Schools with Classes in Agriculture, September, 1921—June, 1922

Inspectorate	Inspector	No. of Schools	No. of Home Gardens	No. of School Gardens
Algoma	D. T. Walkom	3	2	1
Brant and Norfolk in part	T. W. Standing	14	10	4
Bruce W.	W. F. Bald	22	14	8
Bruce E.	John McCool	26	12	14
Carleton W. and Lanark E.	R. C. Rose	21	10	11
Carleton E.	Thos. P. Maxwell	11	3	8
Dufferin	W. R. Liddy	26	12	14
Dundas	H. B. Fetterly	56	45	11
Elgin E.	J. C. Smith	61	38	23
Elgin W.	J. A. Taylor	25	16	9
Essex S.	D. A. Maxwell	22	11	11
Essex N.	V. C. Quarry	2	2	..
Frontenac S.	S. A. Truscott	2	2	..
Grey E.	Samuel Huff	1	..	1
Grey W.	H. H. Burgess	18	9	9
Grey S.	Robert Wright	12	4	8
Glengarry	J. W. Crewson	40	34	6
Haldimand	J. L. Mitchener	14	8	6
Halton and Wentworth	J. M. Denyes	24	17	7
Hastings S.	H. J. Clarke	37	19	18
Hastings C.	J. E. Minns	29	22	7
Huron E.	J. M. Field	33	23	10
Huron W.	J. E. Tom	82	66	16
Kent E.	W. H. G. Colles	65	18	47
Kent W.	J. H. Smith	61	34	27
Lambton W.	Henry Conn	67	40	27
Lambton E.	N. McDougall	47	43	4

Number of Ungraded Public Schools with Classes in Agriculture, September, 1921—June, 1922 (Continued)

Inspectorate	Inspector	No. of Schools	No. of Home Gardens	No. of School Gardens
Lanark W.	Thos. C. Smith	34	19	15
Leeds and Grenville (1)	J. F. McGuire	23	16	7
Leeds and Grenville (2)	W. C. Dowsley	27	21	6
Leeds and Grenville (3)	T. A. Craig	17	16	1
Lincoln	G. A. Carefoot	3	2	1
Middlesex W.	H. D. Johnson	60	43	17
Middlesex E.	P. J. Thompson	69	42	27
Manitoulin	J. W. Hagan	4	..	4
Muskoka	R. O. White	1	..	1
Nipissing	P. W. Brown	2	..	2
Northumberland & Durham (1)	E. E. Snider	47	36	11
Northumberland & Durham (2)	J. W. Odell	12	8	4
Northumberland & Durham (3)	R. Boyes	6	4	2
Norfolk	H. F. Cook	27	20	7
Ontario N.	T. R. Ferguson	13	8	5
Ontario S.	R. A. Hutchison	10	4	6
Oxford S.	R. A. Paterson	7	6	1
Oxford N.	J. M. Cole	44	29	15
Parry Sound S.	J. L. Moore	1	..	1
Peel	W. J. Galbraith	15	10	5
Perth N.	William Irwin	53	41	12
Perth S.	James H. Smith	38	26	12
Peterboro E.	Richard Lees	11	5	6
Peterboro W and Victoria E.	G. E. Broderick	6	5	1
Prince Edward	F. P. Smith	27	12	15
Prescott and Russell	John Nelson	3	2	1
Renfrew S.	G. G. McNab	17	7	10
Renfrew N.	I. D. Breuls	4	2	2
Simcoe N.	J. L. Garvin	6	3	3
Simcoe S.	E. Longman	6	4	2
Simcoe E.	Isaac Day	29	26	3
Stormont	James Froats	55	54	1
Timiskaming and Algoma	W. A. Wilson	3	3	..
Victoria W.	W. H. Stevens	2	1	1
Waterloo S.	L. Norman	7	5	2
Waterloo N.	F. W. Sheppard	6	5	1
Welland S.	James McNiece	13	5	8
Welland N.	J. W. Marshall	5	4	1
Wellington N.	Robert Galbraith	3	2	1
Wellington S.	J. J. Craig	44	24	20
Wentworth	J. B. Robinson	36	19	17
York (1)	C. W. Mulloy	20	12	8
York (2)	A. L. Campbell	9	4	5
York (3)	W. W. A. Trench	21	15	6
Dist. Div. III	John Ritchie	2	..	2
Dist. Div. VIII	D. M. Christie	1	..	1
Dist. Div. I	S. Shannon	1	..	1
Monteith	J. B. Dandeno	1	..	1
	Totals	1672	1084	588

Number of Ungraded Separate Schools with Classes in Agriculture, September, 1921—June, 1922

Inspectorate	Inspector	No. of Schools	No. of Home Gardens	No. of School Gardens
Bruce, Essex, Grey, Huron, Kent, Middlesex, Perth, Wellington	Thos. S. Melady	27	12	15
Halton, Peel, Perth, Waterloo, Wellington	W. J. Lee	9	3	6
Frontenac, Hastings, Lanark, Leeds, Northumberland, Peterboro, Simcoe, Victoria	J. P. Finn	2	..	2
Carleton, Glengarry, Stormont	J. E. Jones	21	12	9
Kent, Middlesex	J. F. Sullivan	11	8	3
Renfrew	V. C. Quarry	2	2	..
Sudbury, Manitoulin	J. M. Bennett	2	2	..
	Totals	74	39	35

Number of Graded Public Schools with Classes in Agriculture, September, 1921—June, 1922

Inspectorate	Inspector	No. of Schools	No. of Home Gardens	No. of School Gardens
Algoma	J. B. McDougall	3	3	..
Brantford City	E. E. C. Kilmer	9	8	1
Brant	T. W. Standing	5	2	3
Bruce W	W. F. Bald	2	2	..
Bruce, E.	John McCool	2	1	1
Carleton E	Thos. P. Maxwell	4	..	4
Carleton W	R. C. Rose	1	1	..
Dundas	H. B. Fetterly	8	3	5
Elgin E	J. C. Smith	5	3	2
Elgin W	J. A. Taylor	10	3	7
Essex S	D. A. Maxwell	1	1	..
Frontenac S	S. A. Truscott	1	1	..
Glengarry	J. W. Crewson	3	2	1
Grey W	H. H. Burgess	1	..	1
Grey S	Robert Wright	2	2	..
Guelph City	Wm. Tytler	1	..	1
Halton	J. M. Denyes	2	2	..
Hastings S	H. J. Clarke	3	1	2
Hastings C	J. E. Minns	4	1	3
Huron E	J. M. Field	4	3	1
Huron W	J. Elgin Tom	4	2	2
Kenora	W. J. Hamilton	1	..	1
Kent E	W. H. G. Colles	3	2	1
Kent W	J. H. Smith	5	4	1
Lambton W	Henry Conn	2	1	1
Lanark W	Thos. C. Smith	1	1	..
Leeds and Grenville (2)	W. C. Dowsley	3	..	3
Leeds and Grenville (3)	T. A. Craig	2	..	2
Lincoln	G. A. Carefoot	9	3	6
London City	C. B. Edwards, V. K. Greer	11	8	3
Manitoulin	J. W. Hagan	1	..	1
Middlesex E	P. J. Thompson	4	1	3
Middlesex W	H. D. Johnson	3	1	2
Nipissing District	P. W. Brown	2	..	2
Norfolk	H. F. Cook	1	..	1
Ontario S	R. A. Hutchison	1	1	..
Ontario N	T. R. Ferguson	1	1	..
Ottawa City	J. H. Putman, E. T. Slemon	12	1	11
Ottawa Normal Model	C. E. Mark	1	..	1
Oxford S	R. A. Paterson	1	..	1
Parry Sound S	J. L. Moore	1	..	1
Parry Sound N	R. O. White	2	..	2
Peel	W. J. Galbraith	2	1	1
Perth N	William Irwin	5	1	4
Perth S	J. H. Smith	7	1	6
Peterboro City	A. Mowat	3	2	1
Peterboro E	Richard Lees	1	..	1
Prescott and Russell	John Nelson	2	1	1
Prince Edward	F. P. Smith	3	..	3
Renfrew N	I. D. Breuls	3	..	3
Renfrew S	G. G. McNab	2	..	2
Simcoe S	Edwin Longman	1	..	1
Simcoe N	J. L. Garvin	2	1	1
Stormont	James Froats	2	2	..
Timiskaming	W. A. Wilson	1	..	1
Thunder Bay	John Ritchie	1	..	1
Toronto City	Walter Bryce	3	2	1
Toronto	A. E. Marty	3	2	1
Toronto	Normal Model School	1	..	1
Toronto	N. S. McDonald	2	2	..
Waterloo N	F. W. Sheppard	3	..	3
Waterloo S	L. Norman	4	1	3
Welland N	J. W. Marshall	7	1	6
Welland S	James McNiece	2	1	1
Wellington S	J. J. Craig	3	..	3
Wentworth	J. B. Robinson	10	4	6

Number of Graded Public Schools with Classes in Agriculture, September, 1921—June, 1922 (Continued)

Inspectorate	Inspector	No. of Schools	No. of Home Gardens	No. of School Gardens
Windsor City	J. E. Benson	7	6	1
York (1)	C. W. Mulloy	2	..	2
York (4)	A. A. Jordan	11	7	4
York (2)	A. L. Campbell	4	1	3
York (3)	W. W. A. Trench	9	4	5
Dist. Div. I	S. Shannon	1	..	1
Dist. Div. VIII	D. M. Christie	1	..	1
	Totals	250	105	145

Number of Graded Separate Schools with Classes in Agriculture, September, 1921—June, 1922

Inspectorate	Inspector	No. of Schools	No. of Home Gardens	No. of School Gardens
Bruce, Essex, Huron, Kent, Lambton, Perth, Wellington	Thos. S. Melady	13	4	9
Brant, Simcoe, Waterloo, York	W. J. Lee	9	6	3
Essex, Middlesex, Oxford, Welland, Wentworth	J. F. Sullivan	10	6	4
Glengarry	J. E. Jones	2	1	1
Essex and Kent	A. Beneteau	2	1	1
Windsor City	John Waugh	1	..	1
Peterboro, Simcoe	J. P. Finn	3	1	2
Algoma, Nipissing, Thunder Bay	J. M. Bennett	6	1	5
Toronto City	J. F. Power	3	3	..
Renfrew, Timiskaming	V. C. Quarry	2	..	2
	Totals	51	23	28

The number of Public and Separate Schools qualifying for grants each year, commencing in 1903, is given in the following table:

Year	No. of Schools	Year	No. of Schools	With School Gardens	With Home Gardens
1903	4	1913	159	...	...
1904	7	1914	264	208	56
1905	6	1915	407	222	185
1906	8	1916	585	324	261
1907	2	1917	989	466	523
1908	14	1918	1,020	588	432
1909	16	1919	1,408	618	790
1910	17	1920	1,648	702	946
1911	33	1921	1,804	690	1,114
1912	101	1922	2,047	796	1,251

It is usually of the utmost importance that the viewpoint of those directly concerned should be given, and in order to do this most effectively, actual quotations from voluntary statements made by Trustees and others are given. The commonest objection now given to the teaching of Agriculture in Public Schools is that the pupils have sufficient agricultural work to do at home, and coupled with this statement the statement is often made that the parents from farm homes can give the children all of the agricultural instruction necessary. Such objections are becoming fewer and fewer as time goes on.

Note the following statements from Trustees:

S.S. No. 2, YARMOUTH, ELGIN CO.; MARJORIE COPELAND.

The training of teachers should be such that would enable them to know, and enjoy, the things wonderful and the things beautiful.

Thereby the teacher may enjoy teaching, and the scholar studying, and both may love the things that live and grow.

H. GORDON SMITH Sec.-Treas..
Union.

S.S. No. 16, Manvers, Durham Co.; Miriam L. Richardson.

I find the children take a deep interest in the Agriculture Subjects taught. The flower beds are taken good care of. I hope that next year there will be a vegetable garden in connection with the school.

F. Barnstaple, Sec.-Treas.,
Janetville Station.

S.S. No. 12, Chatham, Kent Co.; Reita Derbyshire.

The work is progressing nicely. The school garden is in good shape, and the children take great interest in the work. We are greatly in favour of the work being carried out.

Harry Forbes, Sec.-Treas.,
Tupperville.

Report on Agriculture and School Gardens in South Perth

Stratford, Ont., December 20, 1922.

Nearly all the Rural Schools in South Perth taught Agriculture and had home or school gardens during the past year. Pupils, parents and teachers were quite interested in the work. Seeds and eggs were distributed in the spring through the O.A.C. Representative. In this way, many new varieties of vegetables were introduced and many pupils got a start in raising pure-bred poultry.

There are five townships in South Perth and each township held a school fair, viz.: Sebastapol, St. Paul's, Fullarton, Staffa and Transvaal. The attendance at each fair was large. The people were anxious to see all phases of the work and a splendid opportunity was given to people of various sections to become acquainted or renew acquaintances.

The work in our city schools was also conducted very well. A study of the growth of plants, value of good seed, and the detriment of weeds were fully considered. The city school gardens are also conducted as a business proposition. The cost of a fair rental of land, cultivation, fertilization and work are compared with the value received from the produce and generally there has been a handsome margin of profit.

Respectfully submitted,
J. H. Smith, I.P.S.,
Div. II, Perth Co.

The School Fair organizations are directly under the charge of the Agricultural Representatives in co-operation with teachers and Inspectors. These Fairs have become an important factor in rural education.

The following list, corrected to January 1st, 1923, is given for the use of the teachers of the rural schools who should secure, as far as possible, such assistance as these Representatives may be inclined to give.

Agricultural Representatives—Ontario Department of Agriculture

R. S. Duncan, Director. W. D. Jackson, Asst. Director.

COUNTY	NAME	ADDRESS
Algoma	J. M. McIntosh	Sault Ste. Marie.
Brant	R. Schuyler	Paris
Bruce	Campbell Lamont	Walkerton.
Carleton	D. J. Matheson	Carp.
Dufferin	H. A. Dorrance	Orangeville.
Dundas	W. C. Caldwell	Morrisburg.
Durham	F. C. Paterson	Port Hope.
Elgin	C. W. Buchanan	Royal Bank Bldg., St. Thomas.
Essex	Justus Miller	Essex.
Frontenac	A. W. Sirett	Kingston.
Glengarry	D. E. MacRae	Alexandria.
Grenville	W. M. Croskery	Kemptville.
Grey	T. S. Cooper	Markdale.
Haldimand	C. Frey	Cayuga.
Halton	R. R. Fleming	Milton.
Hastings	Ray Atkin	Stirling.
Huron	S. B. Stothers	Clinton.
Kenora	M. F. Cook	Dryden.
Kent	W. H. Smith	Chatham.
Lambton	W. P. Macdonald	Petrolia.

Agricultural Representatives—Ontario Department of Agriculture (Continued)

COUNTY	NAME	ADDRESS
Lanark	F. Forsyth	Perth.
Leeds	E. F. Neff	Athens.
Lennox and Addington	C. C. Main	Napanee.
Lincoln	Geo. Wilson	St. Catharines.
Manitoulin	R. E. Cumming	Gore Bay.
Middlesex	R. A. Finn	London.
Muskoka and Parry Sound	R. S. Beckett	Huntsville.
Norfolk	G. G. Bramhill	Simcoe.
Northumberland	H. Sirett	Brighton.
Ontario	R. M. Tipper	Uxbridge.
Oxford	G. R. Green	Woodstock.
Peel	J. A. Carroll	Brampton.
Perth	M. C. McPhail	Stratford.
Peterborough	F. C. McRae	Norwood.
Prince Edward	A. P. McVannel	Picton.
Prescott and Russell	F. Larose	Plantagenet.
Rainy River	I. F. Metcalf	Emo.
Renfrew	M. H. Winter	Renfrew.
Simcoe North	A. Hutchinson	Barrie.
Simcoe South	J. J. E. McCague	Alliston.
Sudbury	D. J. Robicheau	Sudbury.
Timiskaming	W. G. Nixon	New Liskeard.
Thunder Bay—Fort William	G. W. Collins	Fort William.
Port Arthur	L. M. Davis	Port Arthur.
Victoria	A. A. Knight	Lindsay.
Waterloo	J. S. Knapp	Galt.
Welland	R. J. Bryden	Welland.
Wellington	R. H. Clemens	Arthur.
Wentworth	W. G. Marritt	18 Market St., Hamilton.
York	R. J. Rogers	Newmarket.

The Names and Addresses of Public and Separate School Inspectors who hold Intermediate Certificates in Agriculture

Bald, W. T., Port Elgin.
Bennett, J. M., 47 Browning Ave., Toronto.
Benson, J. E., Windsor.
Breuls, I. D., Pembroke.
Bryce, W., 3 Bowden Ave., Toronto.
Boyes, Robert, Campbellford.
Broderick, G. E., Lindsay.
Burgess, H. H., Owen Sound.
Brown, P. W., North Bay.
Campbell, A. L., Weston.
Carefoot, George A., St. Catharines.
Christie, D. M., Sudbury.
Clarke, H. J., Belleville.
Cole, J. M., Woodstock.
Colles, W. H. G. (Rev.), Chatham.
Colling, James, Bancroft.
Corkill, E. J., Napanee.
Conn, Henry, Sarnia.
Cook, H. F., Simcoe.
Craig, J. J., Fergus.
Craig, T. A., Kemptville.
Crewson, J. W., Alexandria.
Day, Isaac, Orillia.
Denyes, J. M., Milton.
Dowsley, W. C., Brockville.
Ferguson, T. R., Uxbridge.
Fetterly, H. B., Winchester.
Field, J. M., Goderich.
Finn, J. P., Peterborough.
Froats, James, Finch.
Galbraith, Robert, Mount Forest.
Galbraith, W. J., Brampton.
Garvin, J. L., Barrie.
Hagan, J. W., Gore Bay.
Hamilton, W. J., Fort William.
Huff, Samuel, Meaford.
Irwin, William, Stratford.
Johnson, H. D., Strathroy.
Jones, Jas. E., Ottawa.
Jordan, A. A., 63 Orchard View Blvd., Toronto.
Kilmer, E. E. C., Brantford.
Lee, W. J., 434 Brunswick Ave., Toronto.
Lees, Richard, Peterborough.
Liddy, W. R., Orangeville.
Longman, E., Barrie.
Macdonald, N. S., Toronto.
Marshall, J. W., Welland.
Marty, Miss A. E., Toronto.
Maxwell, D. A., Kingsville.
Michell, F. L., Perth.
Minns, J. E., Tweed.
Mitchener, J. L., Cayuga.
Moore, J. L., Parry Sound.
Moshier, D. D., Toronto.
Mulloy, C. W., Aurora.
McCool, John, Walkerton.
McGuire, J. F., Westport.
McNab, G. G., Renfrew.
McNiece, James, Welland.
Norman, Lambert, Galt.
Odell, J. W., Cobourg.
Paterson, R. A., Ingersoll.
Pentland, G. E., Fenelon Falls.
Power, J. F., 33 Dalton Rd., Toronto.
Reid, M. R., Sharbot Lake.
Ritchie, John, Port Arthur.
Robinson, J. B., Hamilton.

The Names and Addresses of Public and Separate School Inspectors who hold Intermediate Certificates in Agriculture (Continued)

Rose, R. C., Carleton Place.
Standing, T. W., Brantford.
Scovell, H. R., Bracebridge.
Sheppard, F. W., Kitchener.
Slemon, E. T., Ottawa.
Smith, F. P., Picton.
Smith, J. C., St. Thomas.
Smith, J. H., Chatham.
Smith, Jas. H., Stratford.
Snider, E. E., Port Hope.
Stevens, W. H., Lindsay.
Sullivan, J. F., London.
Taylor, J. A., St. Thomas.
Thompson, P. J., London.
Tom, J. E., Goderich.
Trench, W. W. A., Richmond Hill.
Truscott, S. A., Kingston.
White, R. O., North Bay.
Wilson, W. A., Haileybury
Wright, Robert, Hanover.

HIGH SCHOOLS

The number of High Schools undertaking the teaching of Agriculture is still very small, owing mainly to the lack of teachers qualified in Agriculture.

In view of the fact that a student who completed the prescribed work in Agriculture of the Lower and Middle Schools in a High School may receive an Elementary certificate in Agriculture at the close of his Normal School course, it is expected that there will be an increasing number of teachers certificated in Agriculture as time goes on.

	1920		1921		1922	
Schools	Jan.-June	Sept.-Dec.	Jan.-June	Sept.-Dec.	Jan.-June	Sept.-Dec.
Collegiate Institutes—						
Brockville	yes	yes	yes	yes	yes	yes
Clinton	yes	yes	no	yes	yes	yes
Cobourg	yes	yes	yes	yes	yes	yes
Ingersoll	yes	yes	yes	no	no	no
Renfrew	yes	yes	yes	yes	yes	yes
St. Thomas	yes	yes	yes	yes	yes	yes
High Schools—						
Almonte	...	...	...	yes	yes	yes
Arthur	yes	yes	yes	yes	yes	yes
Athens	yes	yes	yes	yes	yes	yes
*Beamsville	yes	yes	yes	yes	yes	yes
Belleville	yes	yes	yes	yes	yes	yes
Bowmanville	yes	yes	yes	yes	yes	yes
Essex	yes	yes	yes	yes	yes	yes
Haileybury	...	...	...	yes	yes	yes
Kincardine	yes	yes	yes	yes	yes	yes
Leamington	yes	yes	yes	yes	yes	yes
Mitchell	...	...	...	yes	yes	no
Niagara Falls South	yes	yes	yes	yes	yes	yes
*Oakville	yes	yes	yes	yes	yes	yes
Port Hope	yes	yes	yes	yes	yes	yes
*Port Perry	yes	yes	yes	yes	yes	yes
Whitby	yes	yes	yes	yes	yes	yes
Williamstown	yes	yes	yes	yes	yes	yes
Winchester	yes	yes	yes	yes	yes	yes
Continuation Schools—						
*Drayton	yes	yes	yes	yes	yes	yes
New Liskeard	yes	yes	yes	yes	yes	yes
Ridgeway	yes	yes	yes	yes	yes	yes
Public Schools with Form V—						
Ancaster	...	...	...	...	yes	yes
Forester's Falls	...	...	...	...	yes	yes
Mallorytown	...	...	...	...	yes	yes
Swansea, York County	yes	no	no	yes	yes	no
Thamesford, Oxford County	yes	yes	yes	no	no	yes
Thomasburg, Hastings County	...	...	...	yes	yes	yes
Todmorden, York County	...	...	...	yes	yes	no

*Separate Departments of Agriculture.

The following table gives the number of High Schools qualifying for grants since 1915:

	No. Schools	With Plots	No Plots
1915			
Jan.-June	11	..	11
Sept.-Dec	15	..	15
1916			
Jan.-June	15	1	14
Sept.-Dec	20	1	19
1917			
Jan.-June	20	7	13
Sept.-Dec	21	7	14
1918			
Jan.-June	21	16	5
Sept.-Dec	26	18	8
1919			
Jan.-June	23	16	7
Sept.-Dec	30	23	7
1920			
Jan.-June	32	29	3
Sept.-Dec	25	24	1
1921			
Jan.-June	21	17	4
Sept.-Dec	28	17	11
1922			
Jan.-June	29	27	2
Sept.-Dec	30	27	3

Courses are provided at the Ontario Agricultural College covering two consecutive summers of five weeks each. These courses were introduced in 1913, and the following list gives the number of teachers who have so far qualified each year for an Intermediate Certificate in Agriculture:

1914, 12; 1915, 10; 1916, 15; 1917, 15; 1918, 9; 1919, 21; 1920, 25; 1921, 24; 1922, 33.

Below are the names of those teachers who qualified in 1922:

Brown, P. W., B.A., Queen's.
Calvert, Annie.
Carroll, Wm. I., B.A., Queen's.
Caverly, Selma.
Chapman, Hattie.
Colquhoun, Ethel M.
Cran, Sadie M.
Easson, MacGregor, B.A., Queen's.
Farrell, Marie C.
Fox, Edward W.
Francis, Garnet C.
Grant, Marion E.
Hayes, Edith Thelma.
Hocking, Wm. J., B.A., Toronto.
Hooper, H. Ruth.
Inglis, John L., B.A., Queen's.
MacDonald, Neil S., B.A., D. Paed., Queen's.
Mark, C. E., B.A., D. Paed., Toronto.
Mattice, George S.
McKim, Helen G.
Munroe, Peter F., M.A., Queen's, B. Paed., Toronto.
Nelson, Peter O.
Oliver, Wm. L.
Quinn, Eliza Lillie, B.A., Toronto.
Schneider, Theckla (Sister M. Cajetan).
Smith, Mary C.
Smith, Vera Fern.
Summerhayes, R. Victor, B.A., Toronto.
Trench, W. W. A., B.A., Toronto.
Wheeler, Harold A.
Wilson, W. Asbury, B.A., Queen's.
Wood, E. E., M.A., McMaster.
Woolner, M. Isabel.

University Standing Summary, including Farm Mechanics and Specialists, with Degrees:

Queen's	83
Toronto	38
McMaster	17
Western	4
Victoria	3
	145
Without Degrees	96

THE NORMAL SCHOOLS

Though the accommodation for teaching Agriculture in the Normal Schools is necessarily limited, excellent work is being done in preparing teachers to teach Agriculture in Public and Separate Schools. Teachers in training for First Class certificates as well as those for Second Class certificates receive regular instruction in methods, and have some practice teaching in Agriculture.

Much of the progress in Agricultural instruction in the Public and Separate Schools is quite apparently due to the efficient work done in the Normal Schools.

Better class-room accommodation for this subject is needed, in order that more individual work may be carried on.

The schools affiliated with the Normal Schools are given in the following list. These schools have all made a good start and it is hoped that efforts for advancement of such schools may be fostered and encouraged in every possible way. It is also hoped that some of these schools may, in the near future, become centres of consolidation.

Schools Affiliated							Teacher of Affiliated School				
Normal School	Section No.	Township	Date of affiliation	Miles from Normal	Secretary	P. O. Address	Name of Teacher	Cert.	Certificate in Agricul.	Salary from Board	Salary from Dept.
Hamilton	5	Barton	Sept., 1916	2	Dr. J. H. Holbrook	Mt. Sanitorium	Gladys J. Hutty	II	Elem.	$1,100	$300
		Burlington Beach	"	6	Burlington B. Commission, Room 800, Bank of Hamilton	Hamilton	Laura Laventure	II	Elem.	1,200	300
	U3	W. Flamboro & Ancaster	" 1918	6½	W. H. Brooking	R.R. 3, Dundas	Deane Whitson	I	Inter.	1,000	300
London	21	London	Sept., 1920	5	Thos. Patterson	London	Wanless Evans	II	Elem. Pt. I	1,000	300
	22	"	" 1918	4	R. Dengate	Ealing	Helen Paterson	II	Elem.	800	300
	28	"	" 1921	4	Richard Oke	London	Annie Limon	II	No Cert.	1,000	300
	18	"	" 1922	5	F. A. Fraleigh	London R.R. 2	Lizzie Ryan	II	No Cert.	1,200	300
North Bay	5	Widdifield	Sept., 1916	9	W. J. Simmens	Feronia	Stella Pace	II	Elem.	1,000	300
	IB	Ferris	" 1916	2	James Pasmore	North Bay	Clara Hardy	II	Elem. Pt. I	1,000	300
Ottawa	3	Gloucester	Sept., 1916	4½	F. T. Webster	Billings' Bridge	Ida C. Brownlee	II	Elem.	1,200	300
	25	"	" 1922	3	A. H. Phillips	Overbrook	L. E. Bradford	II	No Cert.	1,150	300
	12	Nepean	" 1919	5	W. P. Jackson	City View	Frances A. Scott	II	Elem.	1,100	300
Peterborough	3	Smith	Sept., 1916	3	Percy Edmison	R.R.2, Peterborough	Helen M. Grieve	II	Elem.	1,100	300
	5	"	" 1916	6	G. D. Mann	Bridgenorth	Reg. A. Sutton	II	No Cert.	1,200	300
	6	Otonabee	" 1916	3	Alex. Huston	R.R.2, Peterborough	Mary A. Muir	II	Elem.	1,100	300
Stratford	3	Downie	Sept., 1909	5½	Louis Goettler	Stratford, R.R. 3	J. Murray	II	Elem. Pt. I	1,000	300
	U10	S. Easthope	" 1919	7½	H. Harloff	R.R. 4, Stratford	N. Beaumont	II	Elem.	950	300
	2	Ellice	" 1922	4	Edward Ney	Sebringville	A. Ney	II	No Cert.	1,300	300
Toronto	1	King & Whitchurch	Sept., 1921	20	Fred W. Legge	Oak Ridges	Janet Gillespie	II	Elem.	1,250	300
	10	Etobicoke	" 1919	12	Chas. C. Grubbe	R.R. 3, Weston	Violet J. Liddle	II	Elem.	1,150	300
	7	Etobicoke	" 1919	15	Wm. Wallis	R.R.3, Weston	V. O. Armstrong	II	Elem. Pt. I	1,025	300
	3	York	" 1920	6	E. F. Wood	Postal St'n.'K,'Toronto	Dorothy Jacques	II	No Cert.	1,000	300
	3	King & Whitchurch	" 1921	24	Elton Armstrong	Armitage	Mrgt. M. Miller	II	No Cert.	950	300

Teachers of Agriculture in the Different Normal Schools

Hamilton	G. O. McMillan, M.A., B.Paed., Queen's.
London	G. W. Hofferd, B.A., Queen's.
North Bay	H. E. Ricker, M.A., Queen's.
Ottawa	G. A. Miller, M.A., Queen's.
Peterborough	A. J. Madill, B.A., McMaster.
Stratford	J. W. Emery, B.A., D.Paed., Toronto.
Toronto	Jos. W. Firth, B.A., Toronto.

All these men hold Intermediate Certificates in Agriculture.

SUMMER COURSES

The number attending the summer courses in Agriculture continues to increase, notwithstanding the change in the curriculum of the High Schools by which it is possible to secure exemption from the summer course if a student takes the prescribed work in Agriculture of the Lower and Middle Schools.

The following schedule shows the attendance at the summer session in Agriculture at the different centres since 1911:

Attendance at the Ontario Agricultural College Summer Courses in Agriculture

Year	Elementary				Intermediate					Inspectors	Farm Mechanics	
	I		II		I		II		III	I II		
	Men	Women	Men	Women	Men	Women	Men	Women	Men	—	—	Total
1911	8	75	1	16								100
1912	16	65	2	23								106
1913	14	64	5	36	23	4						146
1914	8	55	5	27	13	4	14					126
1915	15	39	5	18	17	1	9	1				105
1916	11	99	9	31	15	3	14	1				183
1917	15	138	7	81	9	1	13	2			10	276
1918	6	187	7	119	20	11	9		9	79	9	456
1919	16	155	6	160	9	19	7	21		86	10	489
1920	28	125	10	135	7	25	19			8	10	374
1921	62	167	36	86	24	15	16	8	7		7	428
1922	54	175	27	151	15	12	18	15		4		471

A glance at the above table will show that, since 1915, a marked progress has been made with respect to the attendance, even after the number of those taking the Inspectors' Course has been subtracted.

A considerable number of those who enter Part I of the Course leading to an Elementary certificate, for some reason or other do not complete the course by taking Part II. The following figures show the percentage of shrinkage and concerns the classes at Guelph only:

Year	Number taking Part I Elementary	Year	Number completing Part II Elementary the following year	Decrease per cent.
1911	83	1912	24	71
1912	81	1913	41	50
1913	76	1914	32	58
1914	63	1915	23	63
1915	54	1916	40	26
1916	100	1917	88	12
1917	158	1918	126	20
1918	193	1919	166	14
1919	171	1920	145	15
1920	153	1921	122	20
1921	229	1922	178	22
1922	229			

Attendance at the Whitby Ladies' College Summer Courses in Agriculture

Year	Part I Elementary	Part II Elementary	Total
1919	70	..	70
1920	69	46	115
1921	80	50	130
1922	40	78	118

Attendance at the Northern Academy, Monteith, Summer Courses in Agriculture

Year	Part I Elementary	Part II Elementary	Total
1920	23	..	23
1921	17	8	25
1922	15	18	33

Attendance at Kemptville Agricultural School, Summer Course in Agriculture

Year	Part I Elementary	Part II Elementary	Total
192.	64	..	64

The Summer School in Agriculture, Whitby

By Norman Davies

The Summer Course in Agriculture opened on July 3rd, at the Ontario Ladies' College, with a total of one hundred and nineteen enrolled. Four of these were unable to complete the course so that only one hundred and fifteen took the full session.

There were forty-one in first year and seventy-eight in second year, a total decrease from 1921 of twelve. The opening of a School at Kemptville for Eastern Ontario decreased the number in first year, but second year was larger than in former years.

The Session was formally opened on Wednesday evening, July 5th, when Rev. Mr. Farewell, Principal of the Ladies' College, Mr. E. R. Blow, Reeve of Whitby, and Dr. McGillivray welcomed the staff and students to the College, the High School and the town of Whitby. Each member of the staff also referred briefly to the work of his department.

The members of the staff and the subjects were as follows:

Norman Davies, B.A., of Amherstburg High School, Principal, taught Poultry and Gardening, and had charge of Sports and Games.

J. A. Short, of Swansea Public School, taught Dairying, Beekeeping and a part of Horticulture.

J. G. Adams, B.A., of Beamsville High School, taught Chemistry and Soil Physics

G. W. Hofferd, M.A., B. Paed., of London Normal School, taught Entomology.

J. A. Anderson, B.A., of Brockville Collegiate Institute, taught Botany.

R. M. Tipper, B.S.A., of Uxbridge, taught Field Husbandry and Animal Husbandry.

W. J. Morrison, of Bowmanville High School, taught Weather, Floriculture, Drainage, Bacteriology, and part of Horticulture. The addition of Mr. Morrison to the staff made it possible to divide the subjects so that all teachers had approximately the same amount of work.

Miss Wallace and Miss Holland, of the Ladies' College, had supervision of the dining-room and the dormitories.

As in other years, nearly all students and all members of the staff were in residence. This is an ideal condition and promotes a good fellowship among staff and students, which is evidenced in the good work done by the students. Classes were nearly all held at the High School as the accommodation at the College was too limited for the second year divisions. Work in Gardens, Horticulture and Floriculture and some classes in Botany and Entomology were, however, held at the College.

The work as in former years was made as practical as possible. In Animal Husbandry, two trips were arranged to outlying farms for the study of types and breeds of livestock. On one of these the students visited the splendid barns of the Ontario Hospital and saw the milking machine in operation. In Entomology the two sections of second year undertook a competition in making collections of insects. These were displayed on forms five by four feet and a prize awarded to the best. In Poultry, about twenty birds, representing as many breeds, were loaned by Whitby fanciers and placed in coops in the classrooms for demonstration of the various breeds.

In all other lines as well, work of a practical nature was introduced to an extent hardly understood by the outsiders. With an energetic staff of teachers it is possible to give a very instructive course in Agriculture in almost any town, if use is made of the surrounding territory in securing animals and materials for class work.

On several occasions, the students had the opportunity of hearing discussed various topics outside their regular work.

During the second week, Dr. J. B. Dandeno, Inspector of Elementary Agriculture Classes, paid us an official visit; inspected the work and addressed the students.

Mrs. W. H. Becker, of the Ontario Federation of Home and School Associations, introduced us to the aims and objects of the Federation.

Mr. S. B. McCready placed before the students the cause of the Junior Red Cross Health Service.

The value of the gramophone in relation to schools was ably presented by a representative from Toronto.

On the third Saturday an excursion to Guelph was arranged. Nearly one hundred students spent the day around the buildings and grounds of the Agricultural College. President Reynolds, Dr. Dandeno and the students received and entertained the Whitby excursionists and all enjoyed the outing.

On the same day a number of students who had formally visited Guelph went with two of the staff for a visit to Vineland Experiment Station. There they received warm welcome and saw something of another side of agricultural work.

Through the kindness of Dr. Forrester, of the Ontario Hospital, the staff and students were present at the opening of two new buildings by Premier Drury.

Thus, in many ways, the students enlarged their experience beyond purely agricultural work.

Games and swimming classes were heartily enjoyed by all and the two afternoons for sports were very successful, practically every student taking part in the events.

On the evening of the fourth Friday a short programme of games was held in the Gymnasium, followed by a social evening, which all enjoyed. This took the place of the concert held in former years, and served the social purpose very well with much less work for the class officers.

The last week was a busy one and the course closed on Friday, August 5th.

Summer School in Agriculture, Monteith

By G. S. Johnson

The third Summer Course in Agriculture for teachers living in the Northern part of the Province was held at the Northern Academy, Monteith. The attendance this year was better than in any of the previous years. In the First Year there were sixteen teachers and in the Second Year seventeen, twelve of whom attended the First Year of the course at Monteith the previous year.

As in the past year, a number of teachers in attendance were from the older parts of Ontario, and we feel that the Department should offer special inducements to teachers from Old Ontario to take the course at Monteith in order that they might become conversant with conditions in this new part of the Province. We believe that the five weeks' course at Monteith would be of as great educational value, apart from the agricultural work, as the annual teachers' tours to Northern Ontario.

The staff and subjects taught were as follows:

Mr. Geo. S. Johnson, B.A., Principal of Northern Academy, Principal; Soil Physics and Chemistry.

Mr. R. F. Downey, B.A., Principal of Peterborough Public School; School Gardening, Soil, Horticulture, Floriculture, Weather and Methods.

Mr. W. Wyndham, B.A., Principal Oakville High School; Botany, Entomology, and had charge of the recreation and games.

Miss I. E. Dobie, Principal, New Liskeard High School; Dairying, Poultry, Beekeeping and Bacteriology.

Mr. C. M. Laidlaw, B.S.A., Superintendent, Demonstration Farm; Field and Animal Husbandry.

The Course was essentially the same as that followed at the other centres, but it was necessary to make certain modifications to suit the agricultural conditions as found in Northern Ontario.

The Northern Academy having recently acquired the Demonstration Farm, was in a position to provide excellent opportunities for students to observe the different types of live stock and farm practices as in operation in Northern Ontario.

Mr. Downey carried on the work in the School Gardens and had as usual splendid results. The rapid growth of the garden crops surprising the teachers in attendance who were not familiar with the remarkable growth in the Northern latitudes.

The Athletic life was under the direction of Mr. Wyndham and Mr. Downey. Tennis, baseball, handball and basketball tournaments were engaged in, and two Field Days were held, and on these occasions the teachers were instructed in games that could be used to advantage among the pupils of their rural schools.

The annual visit was made to the paper mills at Iroquois Falls. The Management of the Abitibi Pulp and Paper Company always welcome the teachers to their plant and spare no efforts in showing them the manufacture of the paper from the wood to the finished paper. Another enjoyable day was spent at Sesekinika, one of the most beautiful lakes in Northern Ontario, situated about forty miles from Monteith. A motor boat was chartered to take the teachers about the lake to view the points of interest.

Although the school at Monteith is the smallest of the four centres, nevertheless we do not consider it the least important on that account. Teachers from the South are brought in contact with Northern methods of agriculture, and also have an opportunity to become conversant with the pioneer conditions in a new country. No doubt when the teachers of the Province realize the exceptional opportunities afforded at the school, the attendance will be greatly increased.

Summer Course at Kemptville

By G. E. Copeland

The first Summer School in Agriculture was opened at the Kemptville Agricultural School on July 3rd, with seventy-one students in attendance, one of whom left soon after the course commenced. All of these were in Part I and came from that part of old Ontario lying east of Kingston.

The members of the staff and subjects taught were as follows:

G. E. Copeland, M.A., of Winchester High School, was Principal, and taught Entomology, Botany, Weather, and had charge of sports and games.

W. J. Bell, B.S.A., Principal of the Agricultural School, taught Animal Husbandry.

E. K. Hampson, B.S.A., taught Field Husbandry, Soils and Dairying, except Buttermaking.

A. J. Logsdail, B.S.A., taught Gardening, Horticulture and Floriculture.

P. M. Dewan, B.A., B.S.A., taught Poultry.

W. G. Gardiner, formerly of the Kingston Dairy School, took the practical work in Buttermaking.

Miss A. M. Delaney, of the Ottawa Normal Model School, was supervisor of the students, also assisted in gardening, and rendered valuable service in co-ordinating the various student activities.

Miss I. Johnston, matron of the Agricultural School, acted in the same capacity in the Summer School.

Miss E. E. Weaver was office assistant, part time.

All students except three whose homes were in Kemptville were in residence. Men students were not admitted.

The Summer School made use of the buildings and equipment of the Agricultural School, and used for instructional purposes the crops and stock of the farm maintained in connection with that institution. The accommodations were excellent, nothing but praise being heard from the students. Outdoor sports were handicapped owing to the campus being newly seeded. Next year it will be in good condition. A tennis court lacking this year will be ready for the next course.

The location of the school was well chosen. Kemptville is on the main line of the C.P.R., and also on the Ottawa Prescott line, thus assuring the School good railway service. A splendid highway also passes through Kemptville from Prescott to Ottawa.

The Agricultural School is situated on the outskirts of Kemptville. The permanent staff of the Agricultural School were all on the Summer School Staff and the success of the Summer Course is largely due to their teaching ability and untiring interest in the work. The regular courses of the Agricultural School should receive many recruits through the influence of the teachers attending the Summer Course.

Practical work in all subjects was stressed throughout the course. In gardening, each student cared for a plot twenty feet by twelve planted to vegetables and flowers. The large plot seemed to give better results and to be more suitable than the smaller plot. Excursions around the neighbourhood were made for the study and collection of insects and plants as well as field crops and soils. Various classes of stock from the School farm were brought to the large judging pavilion for practical work. Practical work in poultry, such as judging for egg production, was also carried out.

On several occasions, visitors addressed the students. On the evening of July 28th, the Honourable Howard Ferguson spoke of the importance of inculcating a knowledge of Civics in the minds of their pupils. Professor MacCready addressed the students on the value of Junior Red Cross work in schools. Inspector Craig was a frequent visitor. On July 13th, Dr. Dandeno paid an official visit, inspected the work and addressed the students. His address was very instructive and helpful.

On Saturday, July 22nd, on the invitation of Mr. Archibald, Director of Experimental Farms, about fifty of the students visited the Experimental Farm at Ottawa. Lunch was served in the pavilion after which the students were conducted over the farm and through the buildings by members of the Farm Staff. It was a most enjoyable and instructive excursion.

On Saturday, July 29th. a picnic was held at Beckitt's Bridge on the Rideau three miles from Kemptville. Boating, baseball and music were a pleasant change from the daily round of classes and exams.

Several impromptu concerts and social evenings were held during the course under the able direction of Miss Delaney. These showed an abundance of talent among the students which augurs well for their future pupils. At the end of the course a magazine called the "Kemptville Summer School Pioneer" was published. It contained selections from the programmes of the various concerts as well as articles written by the students. It serves as a band to link the students together since a large part of the value of such a course lies in the close contact and social intercourse of the students with each other. The cost of the magazine was met by the advertising.

The course closed at noon, Friday, August 4th, and the students went their several ways, all looking forward to meeting again next year.

APPENDIX H

ANNUAL REPORT OF THE INSPECTOR OF PUBLIC LIBRARIES

To the Honourable R. H. Grant, M.P.P.,
Minister of Education for Ontario.

Sir:—

I have the honour of submitting the following report of your Public Libraries Branch for the year 1922, and the statistics, etc., of the Public Libraries of the Province for 1921; also a statement of the grants paid in 1922 to Public Libraries, and to Historical, Literary, and Scientific Societies.

Summary

1. Our public libraries, as a whole, stepped forward since last year. They increased their service to a marked degree and the people responded correspondingly with a greater demand for library benefits. The records just completed please us to the extent of proving that the general advancement was much greater than it seemed to be from observation. A notable minority amongst our libraries have attained a degree of excellence that is highly satisfactory, but the majority have a long way to travel forward before reaching a standard within hailing distance of their possibilities. The advance of the majority has been due chiefly to the ample room they had for improvement rather than to any state of eminence that they have attained.

2. Ontario has now 460 public libraries showing a net gain of ten over the year 1921.

3. Library patronage for 1921 increased 1,200,000 over the previous year. We estimate a circulation of 9,500,000 for Ontario libraries for 1922.

4. Library expenditure increased 25 per cent. in one year.

5. The expenditure for books increased from $140,000 (1920) to $164,000 (1921); it was $70,000 in 1918.

6. Six new public library buildings were erected.

7. Three library institutes were held, two general and a meeting for children's librarians.

8. Thirty-three students received professional training in the Department's Training School for Librarianship.

9. The *Ontario Library Review* was published regularly and sent to all holding official connection with libraries in Ontario.

10. Increasing interest is being shown in library service for boys and girls.

The Public Library Situation

Ontario has now 460 public libraries and has held for a few years the distinction of having, in proportion to its population, the largest number of public libraries of any country, state or province in the world. In number we stand high. A certain few of our libraries will compare favourably with the best in any country. Three years ago the following statement was given in the Inspector's report to the Minister concerning the standing of the public libraries of Ontario: "Our best libraries are equal to the best anywhere but, on the average, the libraries of the Province are below a desirable standard of merit." The same remarks hold good to-day. The volume of service has increased tremendously in the three years, library patronage having increased 57 per cent., and the expenditure for books and personal service, to a somewhat greater extent. The Public Libraries Act of 1920 made possible the giving of more adequate service. The general standard has risen slightly in quality, but the average library is still below what it should be.

The Public Libraries Branch has followed a progressive policy in furnishing opportunities to enable library boards and librarians to attain a high standard. The Branch's work has been conspicuously effective with a certain number of libraries of all sizes; the majority, however, have made but little use of the assistance and advice given as compared with what might have been expected. The notable steps forward in excellence of work, from year to year, are confined to the same group of libraries with a few added from time to time.

Our smallest libraries, rural and village, stand well when considered against a background of seven or eight years. They have increased their service in volume, and marked success is gained "here and there." The best that can be expected of them is adequate expenditure and careful selection of books. Very little can be done in introducing modern librarianship except in libraries where a full-time librarian is employed. There seems to be very little to impede us in doing all that is reasonable in encouraging better work on the part of the smallest type of libraries.

The town libraries with but a few exceptions and about seven of the city libraries present a problem that gives us considerable concern. Their service should be of a much higher order, and inferior librarianship on the part of the librarian or the assistants or both stands in the way. The cause for this condition is the indifference or incompetence of the Boards. The average library trustee does not meet with trustees and librarians of other places. He has no standard before him. He has been informed countless times regarding the importance of modern librarianship, as we reach every individual trustee regularly with our quarterly publication. He is not confronted with the problem of making an appointment often; it is, therefore, only on rare occasions that he has an opportunity to make practical use of knowledge gained as to the requirements of a librarian. It is the general rule for this kind of trustee to be entirely indifferent to modern librarianship when he is instructed concerning it, unless he happens to be face to face with an appointment at the time. If an appointment is somewhat in the distance, it is probable that the informed trustee is replaced by a new one.

The seven or more city and the fifty or more town libraries need a constant reminder in the form of a regulation that will ensure a certain minimum qualification on the part of appointees as librarians. It is the opinion of your Inspector that, with a qualified librarian, a Board should be allowed to develop its own work without being asked to observe regulations as to policy or management.

Educative and persuasive methods have been our policy and they should serve well for the general promotion of library welfare, but they have not been effective in raising the standard of librarianship in more than eighteen cities and five towns, and not to the extent that might have been expected in some of them. Our work has helped a few university, normal school and special libraries, and a few libraries outside of Ontario. But we need the support and patronage of all our city and town libraries, and also of the university libraries and other educational institutions where librarians are employed, before we can deal with the training of librarians on a scale worthy of the library problem of Ontario.

Our library legislation has made better libraries and larger service possible. The public libraries are increasing the volume of their service, and the majority of the towns and cities are expending public money to an extent that calls for qualified librarianship. We are growing weary with the lack of progress in the many libraries referred to, and with working in the dark in respect to dealing with candidates for librarianship. We value very highly the loyal support of the score of libraries that have been receiving benefit from our training. Our efforts are worthy of reaching a larger field, and it is distinctly in the public interest that all town and city libraries be brought into the line of march.

Library Service For Boys and Girls

The most conspicuous feature of 1922 progress is the increased stress placed on work with young people. Special attention has been paid to service to boys and girls for several years, many of our libraries having opened children's rooms or departments, but this important phase of the work was not developed in a large way until recently. Some of our library boards seem to be convinced that service to boys and girls should approach close to half of a public library's work and that there is an important benefit to confer upon these children. Although it may seem quite obvious that good reading habits should be encouraged by catching the people when they are young, as late as 1906 and 1907 practically all our public libraries limited their privileges to persons over twelve and, in some cases, fourteen years of age. To-day work with the children is undoubtedly the most promising field for promoting public library interest.

The year 1922 saw the opening of the Boys' and Girls' House of the Toronto Public Library, the first exclusively children's library building to be opened in the British Empire. Toronto has now fifteen children's rooms throughout the city and a staff of twenty-four trained children's librarians. Ottawa, Hamilton and London employ from three to six specialists each, and sixteen of the remaining twenty-one cities employ a children's librarian. Two towns, Walkerville and Wallaceburg each have to their credit an assistant who devotes her time to work with boys and girls. A large number of other places from small cities to rural districts have caught the contagion and have acquired more representative selections of books for the young and aim to develop their service on a larger scale. The last twelve months have shown an unprecedented interest in children's work and the time is ripe for a vigorous campaign on behalf of the boys and girls of the Province.

In the summer the Minister gave his approval for holding three special library institutes for librarians engaged in work with boys and girls and for the publication of a pamphlet of instructions for village and rural libraries. Miss Lillian H. Smith, supervisor of work with boys and girls in the Toronto system, very generously consented to conduct the three institutes and suggested that the librarians who devoted their exclusive time to children's work should form the first institute group, librarians of large towns the second, and librarians of small towns the third. Plans were made accordingly.

On October 26th and 27th, the first institute was held in the Toronto Public Library Boys' and Girls' House, the delegates including 25 children's librarians from 19 city and two town libraries, and 25 from Toronto. The conference was, without doubt, the most profitable library institute yet held in the Province. All delegates were engaged in the same branch of the work, and the subjects of discussion were, naturally, of a very definite character.

The children's librarians were loud in their praise of the institute and all returned to their libraries inspired toward better efforts.

The two meetings for town libraries have yet to be held, and we hope to issue the pamphlet before Easter. Your Public Libraries Branch has been promised the co-operation of the Women's Institutes for the promotion of interest in children's literature and story-telling throughout Ontario.

Although four cities could not send children's librarians, it is a pleasure to report that three of them have decided to appoint specialists in the near future.

At the only two general institutes held a generous amount of time was given to children's literature and work with children, Miss Smith dealing with the subject at both meetings.

It is the intention of your Inspector of Public Libraries to give children's work a prominent place on his programme for 1923.

Library School—Library Appointments

A successful training course in librarianship was held from September 6th to December 15th. It was similar to the schools of the three previous years. We feel that there will be an important place for such a course for many years to come even though a longer course be established for more extensive training. The results of our courses covering three months have demonstrated the fact that valuable training can be given through intensive work covering a short period.

Our 1922 school had an enrolment of thirty-three students, and the average educational and other qualifications of the students were the highest we have had. We had fifteen university graduates, and the remainder of the class had matriculation standing or something higher. Following the principle adopted last year an entrance examination was required of those who were not university graduates. The applications we receive for entrance greatly outnumber the maximum we can accept, and a test is required in order to reduce the number. We find that the less desirable students fail to pass the requirements, and for two years our school has not admitted and trained any students who were unworthy of a place on a public library staff.

Our class consisted of thirty-one students from Ontario and two from the Province of Alberta.

Library conditions at present do not furnish much encouragement for many of the admirably qualified candidates that express a desire to train for the profession of librarianship. A remarkably large number of talented young women wish to engage in library work but do not enter it by reason of the dearth of positions.

Ontario should have about seventy vacancies annually for qualified librarians and assistants, but the absence of regulations reduces the number called for to about thirty-six and nearly half of them are for the city of Toronto. The great majority of our students come to us with some position in view; they are prospective appointees for some library. We do not feel safe in encouraging even the best type of candidates who have nothing in view and want to become trained in the hope of obtaining a good position.

Occasionally a library board asks for a recommendation, but the uncertainty of what is going to happen makes us extremely cautious in admitting candidates who have no appointment in sight or for whom we are unable to see an opportunity.

It would be decidedly in the interest of the libraries and their patrons, if regulations to govern librarians' qualifications were in force.

Library Institutes

Two general district library institutes were held in addition to the special conference for children's librarians, one at North Bay the other at Ottawa; in all about one hundred libraries were assigned to the two meetings.

The Province has never had a more enthusiastic or more successful district institute than the one held at North Bay. The library people in that district are ambitious and are showing wonderful progress. Many sections of old Ontario might well envy the enterprise of the library workers of new Ontario. Part of the afternoon programme included discussion on "What the Public Library Stands For," "Reaching the People," and "Book Selection," the remainder was devoted to a discussion of children's literature by Miss Lillian H. Smith. Two musical selections were given at the evening session and were followed by an address on children's work by Miss Smith and an address, "Canadian Thought in Canadian Literature" by Mr. Fred Landon, of the London Public Library.

The Ottawa institute was pronounced the most successful held in that city. At the afternoon session considerable time was devoted to the problem of providing library service on an adequate scale. The Inspector pointed out that the majority of libraries in the Eastern district had moved perceptibly forward since the previous meeting was held—in 1920, but that many of the libraries required to provide more generously still in order to meet the possible demands of their people. Mr. W. J. Sykes, librarian of the Ottawa Public Library, followed with a talk on the outstanding books amongst recent publications. Miss Smith addressed the meeting on recent books of interest to boys and girls.

The evening meeting was held in the auditorium of the Normal School. The speakers were Mr. Fred Landon, of London, and the Hon. Sir George E. Foster.

The Department is indebted to Mr. Sykes for making such excellent local arrangements and for giving the meetings publicity that attracted an unusually large audience at both sessions.

It is some time now since the holding of annual district institutes in all parts of the Province was discontinued. The primary reason was that of expense, the usual appropriation being insufficient to meet the increased cost of railway and hotel expenses. Your Inspector reported that $2,200, the annual amount of the appropriation, was all that could be justified as expenditure for institute work, institutes being worthy of only a very limited place in a worthy scheme for promoting library affairs. It is the opinion of your Inspector that institutes should be held when and where they are needed and will do the most definite good, rather than to follow a rule providing for fixed districts and definite periods for meetings.

The special institute may offer many opportunities for development. The one held for children's workers is an example of gaining known results.

The *Ontario Library Review* reaches all our library people with carefully written advice and is far more effective than general institute meetings where each library is usually represented by one person who may return to his library with a rather vague interpretation of the instruction received.

New Buildings

The erection of six new public library buildings was commenced in 1922; at Hespeler $18,500, Welland $30,000, Stouffville $7,000, Glencoe $5,000, Norwood $5,000, and Gravenhurst $7,000. The three latter places secured the full amount from the Carnegie Corporation, and the three former obtained all but a small percentage from the same source. The town of Alliston has secured a plan for a building and will raise the necessary funds by private subscription.

The Carnegie Corporation discontinued making promises of library gifts in 1917 and in that year decided to make no further payments of promises already made, and unpaid, while the very high cost of building continued. Late in 1921 the Corporation notified all municipalities that were on the list of unpaid promises that payments would be made on the condition that the buildings would be built by the end of 1922. Thirteen municipalities in Ontario were on the list as follows: Caledonia, $6,000; Gananoque, $10,000; Glencoe, $5,000; Gravenhurst, $7,000; Guelph, $8,000; Hespeler, $10,000; Millbrook and Cavan Tp., $8,000; Merritton, $7,000; Norwood, $5,000; Otterville and South Norwich, $6,000; Stouffville, $5,000; Tilbury, $7,000; Welland, $20,000. All but the six places mentioned as having built allowed their promises to lapse; whether any of them will ask for a reconsideration remains to be seen. Hespeler, Welland and Stouffville contracted to build more expensive buildings than they originally intended, the Carnegies meeting the extra cost half way. It is probable that the Carnegie Corporation will make no further grants for library buildings.

There are 110 library buildings in Ontario built with Carnegie money to the extent of $1,859,745. A number of the Boards supplemented the gifts from small amounts to sums ranging from ten to fifteen per cent. of the Carnegie gift.

Publications

The *Ontario Library Review and Book-Selection Guide* was published each quarter and a copy was mailed to every library trustee and librarian in the Province.

A pamphlet, "Catalogue of Recent Canadian Books," was published under the auspices of your Public Libraries Branch, in October. The compilation was the work of the Toronto Public Library.

Travelling Libraries

The year shows a slight increase in the circulation of travelling libraries over 1921. Last year the circulation was over 40 per cent. beyond that in 1920. We did not expect for 1922 more than was obtained. We were pleased to be of service in sending cases to communities that suffered through the fire in the Haileybury district in October.

On account of the vast territory of our Province, the matter of express rates on our travelling library cases has become quite serious. The express charges from Toronto to the borrowing community have always been paid by the community and the return by the Department. There are places where the charge going one way has been above $7. Such a charge is hardly fair to a community, because it happens to be at a great distance from Toronto. If our travelling library service were maintained on a large scale, distributing centres would be a solution for the express charge problem, but our comparatively small service would not justify such an arrangement. This matter was brought up by the Women's Institutes, and Mr. George A. Putnam, of the Institutes Branch, suggested to your Inspector of Public Libraries that a flat rate be established, the Department paying the charges both ways and charging a sum toward express charges that would equalize the cost to borrowing communities as a one-way charge.

Your Inspector agrees with the suggestion of Mr. Putnam and commends it to the Minister for consideration.

Toronto Public Library Rendered Valuable Assistance

Your Public Libraries Branch is grateful to the Toronto Public Library Board, Mr. George H. Locke, chief librarian, and to the heads of departments and many assistants in the Toronto system for co-operation for the seventh year in conducting the Department's library school. The Toronto Public Library is our chief ally in promoting the library cause in the Province.

Statistics

I present on pages 287-296 a statement of the statistics of the Public Libraries of the Province, and a statement of the grants paid to Historical, Literary and Scientific Societies.

I have the honour to be, Sir,

Your obedient servant,

W. O. Carson,
Inspector of Public Libraries.

Toronto, December 19th, 1922.

APPENDIX I

REPORT OF THE INSPECTOR OF AUXILIARY CLASSES

To the Honourable R. H. Grant, M.P.P.,
Minister of Education for Ontario.

Sir,—

I have the honour to submit for your consideration the following report on Auxiliary Classes.

I have the honour to be, Sir,
Your obedient servant,
S. B. Sinclair.

Toronto, December 28, 1922

Auxiliary Classes are composed of children of sufficiently serious Visual, Auditory, Motor, Mental or other defect to render it impossible for them to keep pace with a graded class of normal children, but who are not so abnormal as to render it necessary for them to be confined at home or in an institution.

These classes are taught by specially trained teachers, are provided with special equipment and have a course of study fitted to prepare the child as well as may be, for happy and helpful citizenship.

There are now in Ontario 74 Auxiliary Classes conforming to regulation requirement. Twenty-five of these have been established during the last year in the following centres: Toronto, London, Windsor, Oshawa, Owen Sound, Peterborough and Stratford.

It has been the purpose and plan of the Department to assist in providing, as rapidly as is practicable, special educational facilities (in Auxiliary Training classes) for all very backward, psychopathic or mentally defective children in Ontario schools, who, with their present rate of progress, will be, when they reach twelve years of age, at least three years behind normal children of the same chronological age.

A Regulation has recently been approved, which makes provision for the formation of a Training class in any school area of which "the whole or part is rural and which contains more than 12 children who should be placed in a training class." Provision has also been made for the formation of Training classes composed of 28 pupils with two teachers.

The Department provides free surveys of all areas where School Boards desire to establish Training classes.

In our surveys during the year, teachers have been requested to make a confidential approximate estimate of the mental age of each pupil selected for official examination. A comparison has been made of two hundred such appraisements with the mental age results found by an examination using the Leland Stanford revision of the Binet-Simon scale. The results of the comparison seem to justify the conclusion that a teacher can estimate the mental age of a child as closely as it can be estimated by a group test. The preparation for doing this involves some knowledge of Intelligence Tests, consultation with the school inspector, principal, previous teacher, nurse and parent, and at least three weeks' observation of the child in the class-room. In this way the local school staff choose some thirty children for special examination, and from these, Departmental examiners select the 16 children for an Auxiliary Training class.

In a recent survey, from a total of 5,816 children, the teachers selected from their classes 83 for official special examination, as probably below 75 per cent. of normal mentality. Of the 83 thus selected, 75 were found by the Binet examination to be below 75 I.Q. and the remainder were not far above.

The Mental Hygiene Committee has rendered valuable assistance by making it possible for the Department to secure for the examination of psychopathic children, the services of a physician, who is also a psychiatrist.

In response to requests from School Boards during the year, the Department conducted surveys in Brockville, Galt, Owen Sound, Peterborough, Stratford, East York and Hamilton. In practically all cases where surveys have been made, a class has been established, or a resolution passed to open a class when a suitable room can be provided. Experience seems to show that it is wiser to wait until fairly adequate accommodation is available, than to open a class in a discarded room in the basement. There is abundant evidence to prove that the ultimate financial saving to the State by the establishment of a properly constituted Training class is many times the expenditure involved.

It is better to speak of children in training classes as "very backward" than as "mentally defective." Such classes should not contain idiots or imbeciles with a mentality of less than fifty per cent., incorrigibles or dangerous psychopaths. They are composed mainly of children having I.Q.'s between 50 and 75 (technically termed "morons") and they also contain psychopathic children not of the anti-social type. It is often wise (if there is room) to transfer a pupil of over 75 I.Q., who is making no progress in the ordinary class, to the training class where usually with individual attention he quickly "finds himself," and at the conclusion of the term returns to the regular class.

Students of the Science of Education have always maintained that, when practicable, promotions from section to section within the class, and from grade to grade, should be based upon mental strength and knowledge rather than on examination knowledge alone, and such has been the custom in many rural schools.

Mental Intelligence Tests have now made such grading more practicable in urban schools. In the Queen Alexandra School, Toronto, all the pupils (excepting those in the Training Class) have been divided into three groups on a knowledge and mentality basis. An interesting result of the experiment is that teachers of the third of the school in the lowest group, find it necessary to have some assistance with the most backward pupils.

Last summer fifty-seven teachers were successful in passing the final examination of the Course for Auxiliary Class Teachers.

A pamphlet of "Suggestions for Teachers of Subnormal Children" has been issued. A list has also been prepared, giving a detailed statement of the equipment, which may be covered by Government grant.

Miss L. H. De Laporte, B.A., graduate of the School of Occupational Therapy, has been appointed Assistant in the work.

The need for the establishment of Auxiliary Vocational classes, where adolescent subnormal pupils can be better prepared to earn their own living, is being more fully recognized.

Such classes are found in the neighbouring cities of Buffalo, Cleveland, and Detroit, and elsewhere throughout the United States.

London, England, has 13 day schools for older boys and 7 for older girls. "In addition to the ordinary subjects, the older boys take more advanced manual occupations, such as metalwork, tailoring, shoemaking, woodwork, gardening, etc., and the older girls receive instruction in cookery, laundrywork, housewifery and needlework."

APPENDIX J

REPORT OF THE
PROVINCIAL SCHOOL ATTENDANCE OFFICER

To the Honourable R. H. Grant, M.P.P.,
Minister of Education for Ontario.

Sir:—

I have the honour to submit herewith my annual report on School Attendance.

I have the honour to be,
Sir,
Your obedient servant,

J. P. Cowles,
Provincial School Attendance Officer.

Toronto, December 28th, 1922.

Number of Attendance Officers

The total number of school attendance officers appointed for duty in the province for the year 1922 was 1,337. Of this number 837 officers were appointed by township councils, 399 by urban school boards, 99 by school boards in territory without municipal organization, and 2 by county councils, which had appointed officers under the former Act. In each of 38 urban centres the Separate School Board and the Public School Board have named the same officer. This arrangement is commended, as it makes for uniform enforcement of the law and prevents overlapping of work.

Local Interest in School Attendance

A growing desire on the part of the general public to make greater use of the educational facilities now provided by improved attendance is everywhere apparent. This statement is borne out by the appointment of officers by the local school boards in territory without municipal organization, where such appointments are optional, and by appointments made by local authorities within the two counties which had county officers, where no obligation rests upon the local authorities to take such action. For the year 1920 in unorganized territory 42 school boards appointed officers. For the year 1921, 62 made appointments, while for the year just closed the number of these school boards appointing officers increased to 99. In the two counties referred to above, 13 local authorities voluntarily appointed local officers in addition to the county officers.

Attendance Improving

It is pleasing to be able to state that the records of attendance continue to show improvement. Not only is the enrolment greater than ever before, but the daily average attendance is proportionately better and the percentage of average to total enrolled attendance is the highest in the history of the province. In the primary schools for the year 1921 the increased enrolment was

20,241, the increased daily attendance was 43,426, and the increased percentage of average to total enrolled attendance was 5.24. In the secondary schools for the school year 1921-22 the increased enrolment was 9,703, the increased daily attendance was 8,966, and the increased percentage of average to total enrolment was 1.5. There has been, then, a total increase in enrolment in the provincial primary and secondary schools of 29,944 for the year, and an increased daily attendance of 52,393 pupils.

It may be interesting to note that the total enrolled attendance for the year 1921 in the provincial elementary schools was 585,213, and in the provincial secondary schools 52,254, a total in both of 637,467, or 21.74 per cent. of the entire population. In addition to this large group there is a very considerable number of young persons attending private elementary and secondary schools. When it is recollected that the school year of Ontario is at least 190 days it must be admitted that the young people of this province enjoy greater educational privileges than do most.

This year, for the first time, an accurate statement of the ratio of aggregate attendance to the aggregate possible attendance of enrolled pupils is procurable. Methods have been adopted by which allowance is made for pupils who become of school age and enter school at any time after the opening in January, or who leave school, in compliance with the law, before the close of the year. Heretofore, pupils of this group were considered absent for the period of the year before which they were enrolled, and for the period of the year after which they legally had left school. The percentage of attendance, computed by assuming that every pupil enrolled for any part of the year should have attended that particular school for the full year, gives an inaccurate idea of the true condition, but with the new method now in use a fairly accurate statement may be made. Our statistics now show that the percentage of actual aggregate attendance to possible aggregate attendance for the whole province for the year 1921 in the elementary schools was 86.18.

It is difficult to compute the value of this additional schooling or to estimate the benefits that will accrue therefrom, or to imagine by how much the level of intelligence throughout the province will be raised thereby. That it is good business to see that the $29,914,793 spent last year on the maintenance alone of our primary schools is spent in the instruction of the pupils and not in providing their empty desks, no one will deny.

Duties of Attendance Officers

Doubtless the improved condition is due to many different factors, but one of the chief factors is the work performed by the local school attandance officers, whose specific duty it is to see that all children in the area under their supervision have the advantages of regular schooling. Generally they have performed their duties more by tact and persuasion and by the removal of causes of non-attendance than by the use of the penalties provided for by the law. It is admitted that among so many officers there are some who have not lived up to their responsibilities. A few of them have, perhaps, been tactless or arrogant, some may have been indifferent, but of very many it may be said that they are physicians, in that they diagnose and then attempt to cure. They discover the cause of absence and try to remove that cause. They find, perhaps, that the absentee fails to fit in with the school organization, that his home life is unsatisfactory, that he is the victim of poverty, ignorance, or the unnatural greed of his parents, or the rapacity of employers. In the disclosure and removal of such conditions the officers render the greatest possible public service. Their work is least in threats and fines, though in certain cases the lash of the law must be applied in order to secure or safeguard the rights of children. However, only 406 cases were reported in the whole province as having been taken to the courts.

School Attendance and Juvenile Delinquency

Among child welfare workers the relation between irregular attendance at school and juvenile delinquency is known to be intimate. Judge Choquet of Quebec once said: "The first means necessary to stop juvenile crime is, without doubt, compulsory education." By the term "compulsory education" regular daily attendance is implied. Only too often disrespect for law, which brings young persons into conflict with society, comes from a lack of discipline or from a lack of training in the principles of self-control and self-mastery, such discipline and training as regular school life gives. Offences against private rights and private property, against by-laws and local regulations, and even against the penal code are reported again and again by attendance officers as committed by young persons when illegally absent from school. Regular schooling is of the utmost value in character-building. Judge Mott, of Toronto, says in his report for the year 1920 that 38.74 per centum of the children appearing before him are children fourteen and fifteen years old. "These children," he writes, "have just left school. While there they were under the authority of the principal plus that of the home. On leaving school the home proved unable to function and control the child." Some of the most valuable work of attendance officers is in the prevention of juvenile delinquency.

Much might be said of the co-ordination through the attendance officers of the work of charitable societies, municipal and school nurses, the Children's Aid Society, and the various organizations which exist for the promotion of better living, but suffice it to say that the satisfactory school attendance officer may always be relied upon to render assistance in every movement which is for the welfare of children.

The Adolescent School Attendance Act and Exemptions

An important duty, the issuance of home permits and employment certificates, was placed upon attendance officers by The Adolescent School Attendance Act. Before issuing exemption in accordance with the provisions of the Act an officer must know the home conditions, the character of the work to be entered upon, and the educational standing of the applicant. He is also in a position to discover any special aptitude, gift or bent. It is evident, then, that the officer has unusual opportunities to become a vocational guide, to give information regarding industry, and to direct young persons into suitable occupations. As school boards begin to realize the benefits of this phase of educational work attendance officers in industrial centres will be able to give this matter their attention, and good results may be expected.

Home Permits

Home permits to fourteen and fifteen-year-old adolescents have been granted freely in the rural districts. It is argued that agricultural employment under the guidance of judicious parents may be made an educative force of great value, both in vocational training and in training for citizenship. This may be true; but parents should not be allowed to take their little children thirteen years of age and younger from school for farm work, as has sometimes been done in the past. If school attendance officers grant freely home permits to farmers' sons and daughters under The Adolescent School Attendance Act, they should insist upon regular full time attendance up to fourteen. The term "unavoidable cause of absence" should not be interpreted in such a way as to excuse absence for the purpose of running errands or of doing chores on the farm. Of course, it must be understood that the vast majority of parents are anxious to give their children every educational advantage possible. Compulsory school laws have to do with a minority, but with a minority that requires discipline and training even more than the great body of citizens.

Employment Certificates

Employment certificates are issued chiefly in urban municipalities. The plea is made by some parents that their adolescent children must work at a gainful occupation to maintain themselves or to maintain other members of the family. This economic stress, on investigation, is found to be, in many cases, not the real cause for withdrawing adolescents from school, though there are, in truth, some pitiful cases of poverty not yet provided for by the Mothers' Allowances Act, the Workmen's Compensation Act, or other legislation. Some parents want the added comforts or luxuries which the child's earnings can buy. Some children are discouraged because not promoted. Others cannot see how the courses they have been taking will help them to earn a living, and persuade their parents to withdraw them from school. Others, again, want the experience and independence of making their own way, while some simply lack ambition.

Part-Time Courses

Part-time courses of instruction for employed adolescents are now required by the law in urban municipalities having a population of five thousand and over. If these courses are properly planned and organized the attendance officer need not hesitate to grant employment certificates in accordance with the Regulations in many of the cases which are referred to him, for the part-time training will compensate in a large measure for the full-time schooling missed. The union of healthful, useful work with school training may be the means of great good in the development of the character of these unsettled adolescents. Work will furnish purpose and outlet for ambition, while the part-time courses will give guidance and direction. There is no doubt at all but that many persons who become failures in life and burdens to society can trace the cause of their failures to lack of guidance and to lack of knowledge during the difficult days when they were breaking away from the discipline and routine of the school and from the ties of home life, or, in other words, when they began to earn their own living. Part-time courses will tend to bridge the gap between school life and the practical life of industry, between the period of care-free abandon, of castle-building, of reliance upon the restraint and direction of the teacher, and the period of greater personal independence in employment, with more open and easier paths to wrong-doing. These part-time courses should be designed to furnish means of training in the duties of citizenship, in the right use of leisure hours, and in the development of qualities which will help to make more efficient workers. Since the employed adolescent is as much entitled to share in educational advantages provided by public funds as is his more fortunate neighbour who is able and willing to attend school full time until sixteen years of age, these courses should not be considered an unimportant and vexatious addition to the educational system, but an essential, integral part demanding care and the highest ability in organization and conduct.

There are in the province some forty-seven urban municipalities to which the part-time provisions of The Adolescent School Attendance Act apply. Of these London and Sarnia are mentioned as being the first to organize and maintain classes for employed adolescents. Satisfactory efforts to cope with the problem have been made by several other places, of which Hamilton and Ottawa may be named. From Collingwood and Windsor and from some other centres come definite assurances that all adolescents are attending school full time up to sixteen years of age; consequently part-time classes are not required. In some centres, for example in Toronto, as far as can be learned little has been done as yet to provide for the needs of the employed adolescent, but even in these places movements are being made to prepare to carry out in full the duties imposed. Everywhere schools are being built. In fact, there never has been a more extensive school building programme than is being carried out at the present time, and never more educational activity.

APPENDIX K

REPORT OF THE DIRECTOR OF PROFESSIONAL TRAINING

To the Honourable R. H. Grant, M.P.P.,
Minister of Education for Ontario.

I have the honour to submit the following report of the Provincial Schools for the training of teachers for the year 1922.

A survey of the work of the Provincial Training Schools for the year 1922, shows that through the efforts of these schools a further advance has been made in improving the general standing of the teachers of the Province. It is interesting to note in this connection that while fifteen years ago three thousand five hundred of our elementary teachers held only Third Class certificates, as against four thousand six hundred holding higher certificates, now only eleven hundred hold Third Class certificates, as against eleven thousand five hundred holding higher certificates. The substantial advance made during the present year is indicated by the fact that, while only 276 candidates were enrolled in the course for the Third Class certificate, 1,800 enrolled in the courses for the Second and the First Class certificates.

The enrolment of teachers-in-training during 1922 for the various courses at the Provincial Training Schools was as follows:

High School Assistants' course	205
Household Science course	18
Elementary Art course	23
Elementary Physical Culture course	138
First Class course	331
Second Class course	1,475
Kindergarten-Primary course	234
Third Class course	276
District Certificate course	210

I am pleased to report also an increase in the number of male students in attendance at the above courses, 92 being enrolled in the High School Assistants' course, 98 in the First Class course, 199 in the Second Class course and 52 in the Third Class course. Of these students 59 saw service in the Great War.

As a result of the marked increase in the number of candidates training for the higher grades of certificates, it is suggested in certain quarters that provision should no longer be made to qualify candidates for certificates lower than the Second Class. But unless our teachers holding higher certificates show in larger numbers a willingness to accept positions in the schools of the Districts together with the pioneer conditions that may be met, no practical course seems open other than to accept the service of those with lower qualifications who may be willing to undertake this important labour and to give them while in service such training as circumstances will allow. It may be mentioned in this connection that the great majority of students training during the past year for certificates lower than the Second Class were in attendance at the Summer Model Schools to improve their qualifications for service in the schools of the Districts.

It is indeed a matter of congratulation that so many teachers in the Districts who possess lower qualifications are willing to devote their summers to the improvement of their professional standing.

The Ontario College of Education

Since the opening of the College of Education in 1920, the registration in the High School Assistants' course has increased from 70 to 205. Several new courses have also been instituted—the courses for the Ordinary certificate in Household Science, for the Elementary certificate in Physical Culture, and for the Elementary certificate in Art. The buildings occupied by the College and the affiliated Model High School, known as the University of Toronto Schools, provide inadequate accommodation for all of these courses. The additions now being made by means of the appropriations secured from the legislature in 1921 and 1922 will, however, provide adequate accommodation. These additions will include a gymnasium, an assembly room, four lecture-rooms, and accommodation for the courses in Household Science, Manual Training, Physical Culture and Art. It is hoped that the completed buildings will be ready for occupancy in October, 1923.

Graduate Courses at the College of Education

The advances being made in the field of education call more and more for the service of educational experts. Ontario teachers who have desired in the past to improve their professional knowledge through postgraduate courses have usually continued their studies at some University in the United States. The Ontario College of Education is now making a serious effort to meet this demand for advanced training in education. In 1922 it recommended 3 men for the D.Paed. Degree and 2 for the B.Paed. Degree. In the B.Paed. and D.Paed. courses of the Summer Session of the same year it enrolled 58 teachers, and in the regular session 70 teachers. Its total enrolment in the B.Paed. and D.Paed. courses of 1921-22 was 156.

The following table gives in detail the registration of students at the College of Education in the various courses:—

High School Assistants' course		205
High School Specialists' courses		88
Household Science course		18
Public School course		31
Elementary Art course		23
Elementary Physical Culture course		138
Pedagogy courses	Regular	70
	Summer	58

Provincial Normal Schools

The registration of students at the seven Provincial Normal Schools for the session of 1922-23 is the largest in the history of these institutions. It is especially gratifying to note that the increase in registration has been accompanied with a substantial increase in the number of male students and of those entering the course for First Class certificates. The following table gives in detail the sex of the students and the attendance in the various courses at the different Normal Schools:

School	Total Attendance	Male	Female	First Class	Second Class	Kindergarten-Primary
Hamilton....	229	23	206	51	178	..
London.....	284	43	241	96	188	..
North Bay..	230	36	194	..	230	..
Ottawa.....	270	47	223	36	234	..
Peterborough	202	26	176	...	202	..
Stratford....	220	34	186	...	220	..
Toronto.....	380	64	316	117	223	40
Totals......	1,815	273	1,542	300	1,475	40

The Relation of the Normal to the Elementary School

When early in the nineteenth century common schools were established throughout the Province of Upper Canada, the theory upon which such action was taken was that, since the state recognizes that all men are by nature equal, the advantages of education should be provided for the children of the masses no less than for the children of the classes. Within a very few years, however, it was discovered that no adequate education of the masses could take place unless more efficient modes of instruction were introduced into the common schools. As early as 1830, therefore, our provincial leaders were declaring that the professional training of persons as teachers must be undertaken as the only means of removing the disastrous inefficiency of the common schools. Accordingly an agitation was begun for the establishment of Normal Schools for the training of elementary school teachers. This resulted in 1847 in the opening of the Toronto Normal School, a result which gave to Upper Canada the proud distinction of being the second legislative body in the New World to establish a Normal School for the professional training of its teachers.

The wisdom displayed by our early Legislators in providing professional training for their elementary teachers was fully demonstrated by its effect upon the work of the common schools. Were further evidence required it would only be necessary to point to the fact that since that day every civilized nation has established such schools as a necessary part of its educational system, having learned by practical experience that to spend millions in an endeavour to educate its youth, and withhold the few thousand necessary to prepare its teachers for the skilful practice of their art, is not only an absurd waste of public funds but a criminal waste of the educational opportunities of its youth. Thus the history of education during the past seventy-five years has clearly demonstrated that the success of any system of elementary education depends in large measure upon its possessing an adequate system of Normal Schools for the training of its teachers.

Lists of the present staffs of the Normal and Normal Model Schools are given in the register of Schools and Teachers for the Province of Ontario.

The Model Schools

Four hundred and eighty-six students were registered in the Professional courses at the Provincial Model Schools, 152 being in attendance at the Regular courses and 334 at the Summer courses. Of these students 210 took the District certificate course and 276 the Third Class certificate course. 178 additional student-teachers took courses at the Summer Model Schools to improve their academic standing.

Kindergarten-Primary Summer Course

Three hundred and fifteen students attended the Kindergarten-Primary Summer course given at Toronto, Hamilton, London and Ottawa, 194 attending Part I of the course and 121 Part II. This course is proving very popular among the primary teachers of the Province, who constitute a large percentage of those in attendance. Many Public School Inspectors report that the institution of the course has had a stimulating effect upon primary education in their inspectorates.

Teachers' Institutes

The reports being received from the various Teachers' Institutes of the Province indicate that the Annual Meetings for 1922 were uniformly interesting and instructive. Practically all of these meetings were attended by representatives from the Provincial Training Schools, who took part in the programme. In a few cases the Annual Conventions took the form of visits to educational institutions outside the Inspectorates.

I have the honour to be, Sir,

Your obedient servant,

S. A. Morgan.
Director of Professional Training.

APPENDIX L

STATISTICS OF ELEMENTARY AND SECONDARY SCHOOLS

Summary

I. ELEMENTARY SCHOOLS

a. Public Schools

Number of Public Schools in 1921		6,280
Increase for the year	73	
Number of enrolled pupils of all ages in the Public Schools during the year (exclusive of Continuation and Night School pupils)		501,236
Increase for the year	13,145	
Average daily attendance of pupils		345,746
Increase for the year	35,717	
Percentage of average attendance to total enrolment		68.97
Increase for the year	5.45	
Percentage of aggregate to possible aggregate attendance, i.e., percentage of actual to possible attendance		86.23
Number of persons employed as teachers in the Public Schools, men, 1,528; women, 11,028; total		12,556
Increase for the year	403	
Number of teachers who attended Normal School		9,834
Increase for the year	586	
Number of teachers who attended Normal College or Faculty or College of Education		1,165
Number of teachers with a University degree		138
Average annual salary for male teachers		$1,628
Increase for the year	$53	
Average annual salary for female teachers		$1,079
Increase for the year	$79	
Average experience of male teachers		12.9 years
Average experience of female teachers		8.2 years
Amount expended for teachers' salaries		$14,236,088
Amount expended for public school houses (sites and buildings)		$4,518,790
Amount expended for all other purposes		$7,595,295
Total amount expended for Public Schools		$26,350,173
Increase for the year	$3,506,126	
Cost per pupil (enrolled attendance)		$52.57
Increase for the year	$5.77	

b. Roman Catholic Separate Schools

Number of Roman Catholic Separate Schools in 1921		621
Increase for the year	27	
Number of enrolled pupils for all ages		83,977
Increase for the year	7,096	
Average daily attendance of pupils		60,079
Increase for the year	7,709	
Percentage of average attendance to total enrolment		71.54
Increase for the year	3.43	
Percentage of aggregate to possible aggregate attendance, i.e., percentage of actual to possible attendance		85.90
Number of teachers		1,848
Increase for the year	132	
Amount expended for teachers' salaries		$1,236,961
Amount expended for school houses (sites and buildings)		$1,086,551
Amount expended for all other purposes		$1,041,108

Total amount expended on R. C. Separate Schools		$3,364,620
Increase for the year	$992,155	
Cost per pupil (enrolled attendance)		$40 06
Increase for the year	$9 21	

c. Protestant Separate Schools

Number of Protestant Separate Schools (included with Public Schools, a) in 1921		5
Number of enrolled pupils		434
Increase for the year	22	
Average daily attendance of pupils		307
Increase for the year	47	

d. Night Elementary Schools

Number of Night Schools in 1921-22		24
Increase for the year	9	
Number of pupils enrolled		2,533
Increase for the year	964	
Number of teachers engaged		70
Increase for the year	30	

II. SECONDARY SCHOOLS

a. High Schools and Collegiate Institutes

Number of High Schools (including 47 Collegiate Institutes)1921-22		170
Increase for the year	2	
Number of pupils enrolled in High Schools		39,405
Increase for the year	5,277	
Average daily attendance of pupils		34,262
Increase for the year	5,310	
Percentage of average attendance to total enrolment		86.94
Increase for the year	2.11	
Number of teachers in High Schools		1,302
Increase for the year	95	
Average annual salary, Principals		$2,719
Increase for the year	$156	
Average annual salary, Assistants		$2,128
Increase for the year	$141	
Average annual salary, all Teachers		$2,205
Increase for the year	$138	
Highest salary paid		$4,500
Amount expended for teachers' salaries, 1921		$2,531,069
Amount expended for school houses (sites and buildings)		$1,058,691
Amount expended for all other purposes		$1,200,451
Total amount expended on High Schools, 1921		$4,790,211
Increase for the year	$1,201,278	
Cost per pupil, enrolled attendance		$121 .56
Increase for the year	$16 40	

b. Continuation Schools

Number of Continuation Schools, 1921-22		160
Increase for the year	16	
Number of pupils in attendance		7,505
Increase for the year	1,682	
Average daily attendance of pupils		6,309
Increase for the year	1,519	
Percentage of average attendance to total enrolment		84.06
Increase for the year	1.80	
Number of teachers		286
Increase for the year	31	
Average annual salary, Principals		$1,742
Increase for the year	$163	
Average annual salary, Assistants		$1,383
Increase for the year	$154	
Highest salary paid		$3,000

Amount expended on teachers' salaries, 1921		$406,162
Amount expended for school houses (sites and buildings)		$97,077
Amount expended for all other purposes		$146,235
Total amount expended on Continuation Schools, 1921		$649,474
Increase for the year	$176,389	
Cost per pupil, enrolled attendance		$86.53
Increase for the year	$5.31	

c. Night High Schools

Number of Night High Schools in 1921-22	11
Number of pupils enrolled	1,635
Number of teachers engaged	77

d. Vocational Schools

Number of Day Vocational Schools, 1921-22		14
Increase for the year	1	
Number of full time pupils enrolled		5,344
Increase for the year	2,744	
Average daily attendance of full time pupils		4,260
Increase for the year	2,137	
Number of part time pupils in Day Schools		574
Decrease for the year	333	
Number of special pupils in Day Schools		1,604
Increase for the year	585	
Number of teachers engaged in Day Schools		212
Increase for the year	21	
Number of Evening Vocational Schools, 1921-22		55
Increase for the year	4	
Number of pupils enrolled		32,545
Increase for the year	5,248	
Number of teachers engaged		1,075
Increase for the year	166	
Amount expended on teachers' salaries, day and evening schools, 1921		$625,848
Amount expended on school houses (sites and buildings)		$488,897
Amount expended for all other purposes		$470,341
Total amount expended on day and evening Vocational Schools, 1921.		$1,585,086
Increase for the year	$237,181	

NOTE.—In the above statement, the statistics of the Toronto High School of Commerce appear for the first time with the Day Vocational Schools. In former years, this school was in the High School list.

III. GENERAL

Elementary and Secondary Schools

Pupils enrolled in elementary schools, 1921		585,213
Pupils enrolled in night elementary schools, 1921-22		2,533
Pupils enrolled in secondary schools, 1921-22		54,432
Pupils enrolled in night high schools, 1921-22		1,635
Pupils enrolled in evening Vocational Schools, 1921-22		32,545
Total enrolment, all schools		676,358
Increase for the year	32,632	
Percentage of total population enrolled		23
Total expenditure		$36,739,564
Increase for the year	$6,113,129	

Average cost per pupil (enrolled attendance) in all Schools

	1902	1907	1912	1917	1920	1921
Teachers' salaries	$7 63	$10 44	$14 26	$17 97	$25 03	$28 14
Sites and buildings	0 97	2 86	5 90	4 05	8 86	10 72
All other expenses	2 80	4 40	5 34	7 72	13 68	15 45
For all purposes	$11 40	$17 70	$25 50	$29 74	$47 57	$54 31

Comparative School Statistics, 1867-1921

I. PUBLIC AND SEPARATE SCHOOLS

These elementary school tables, 1, 2, 3, 4 and 5, for the purpose of comparison with previous years in which the Separate Schools were included with Public Schools, include Roman Catholic and Protestant Separate Schools. The tables A, B, C, D, and E give the statistics of the Public Schools, including Protestant Separate Schools; the statistics of the R. C. Separate Schools are given in Tables F and G; those of the Protestant Separate Schools appear in Table T: and the Night Schools in Table U.

1. School Attendance

Year	Total Number of Enrolled Pupils	Boys	Girls	Average Daily Attendance	Percentage of Average Attendance to Total Number Enrolled	Percentage of Aggregate to Possible Aggregate, i.e., Percentage of Actual to Possible Attendance
1867	401,643	213,019	188,624	163,974	40.82	......
1872	454,662	238,848	215,814	188,701	41.50	......
1877	490,860	261,070	229,790	217,184	44.25	......
1882	471,512	246,966	224,546	214,176	45.42	......
1887	493,212	259,083	234,129	245,152	49.71	......
1892	485,670	253,091	232,579	253,830	52.26	......
1897	482,777	251,677	231,100	273,544	56.66	......
1902	454,088	232,880	221,208	261,480	57.58	......
1907	448,218	229,794	218,424	266,503	59.45	......
1912	467,022	239,187	227,835	291,210	62.35	......
1917	527,664	266,255	261,409	342,571	64.92	......
1920	564,972	285,362	279,610	362,399	64.14	......
1921	585,213	296,942	288,271	405,825	69.38	86.18

2. Classification of Pupils

Year	Kindergarten	Kindergarten-Primary	1st Reader, Part I, or Primer	1st Reader, Part II, or 1st Book	2nd Book	3rd Book	4th Book	5th Book, or Beyond 4th Book
1867	......	......	....	* 79,365	98,184	83,211	68,896	71,987
1872	......	......	....	*160,828	100,245	96,481	67,440	29,668
1877	......	......	....	*153,630	108,678	135,824	72,871	19,857
1882	......	......	....	*165,834	106,229	117,352	71,740	10,357
1887	......	......	115,657	76,704	100,533	108,096	81,984	10,238
1892	......	......	114,932	73,015	96,074	99,345	88,934	13,370
1897	......	......	110,567	70,808	91,330	99,682	89,314	21,076
1902	......	......	107,441	69,062	85,732	90,630	83,738	17,485
1907	......	......	112,552	60,194	84,622	89,371	85,752	15,727
1912	......	......	126,100	67,368	92,728	88,811	85,213	†6,802
1917	16,515	2,793	125,321	73,996	106,034	105,062	91,989	†5,954
1920	16,529	9,195	131,262	76,859	106,969	114,715	103,275	†6,168
1921	14,948	11,011	130,312	80,132	108,990	120,511	111,349	†7,960

NOTE.—Kindergarten attendance is not included for the years previous to 1917.

*In 1st Reader. †Exclusive of Continuation School Pupils.

The following table classifies the pupils in the various forms as to rural and urban schools:

Rural Schools

Year	Kindergarten	Kindergarten-Primary	First Reader Part I or Primer	First Reader Part II or First Book	Second Book	Third Book	Fourth Book	Fifth Book or Beyond Fourth Book	Totals
1904.....	....	....	60,784	36,941	47,930	50,297	47,289	9,892	253,133
1907....	....	....	60,470	31,538	46,219	48,247	46,815	8,958	242,247
1912....	....	....	62,712	30,293	43,775	42,450	44,049	†3,984	227,263
1917....	....	75	58,290	30,657	44,407	43,834	41,321	†2,926	221,510
1920....	....	2,035	60,065	30,748	43,107	45,182	42,660	†2,647	226,444
1921....	....	2,167	60,047	32,386	44,317	47,208	45,823	†3,803	235,751
Urban Schools (cities, towns and incorporated villages.)									
1904....	....	....	44,456	27,800	37,299	39,814	35,815	6,304	191,488
1907....	....	....	52,082	28,656	38,403	41,124	38,937	6,769	205,971
1912....	....	....	63,388	37,075	48,953	46,361	41,164	†2,818	239,759
1917....	16,515	2,718	67,031	43,339	61,627	61,228	50,668	†3,028	306,154
1920....	16,529	7,160	71,197	46,111	63,862	69,533	60,615	†3,521	338,528
1921....	14,948	8,844	70,265	47,746	64,673	73,303	65,526	†4,157	349,462

†Exclusive of Continuation School Pupils.

The following table compares the enrolment and gives the percentages from rural and urban municipalities for several years:

Year	Enrolment in Rural Schools	Enrolment in Urban Schools
1903........................	260,617 or 57.88% of total	189,661 or 42.12% of total
1907........................	242,247 or 54.05% "	205,971 or 45.95% "
1912........................	227,263 or 48.66% "	239,759 or 51.33% "
1917........................	221,510 or 41.97% "	306,154 or 58.02% . "
1920........................	226,444 or 40.08% "	338,528 or 59.91% "
1921........................	235,751 or 40.28% "	349,462 or 59.71% "

NOTE.—Kindergarten attendance for years previous to 1916 not available for the above tables.

3. Teachers' Certificates, Etc.

Year	No. of Teachers	Male	Female	1st Class Certificates	2nd Class	3rd Class	Kindergarten-Primary	Kindergarten	Manual Training	Househ'd Science	District	Permanent Ungraded	Other Certificates including Temp.	No. who attended Normal School, Nor. Coll., F. of E. or College of Education
1867..	4,890	2,849	2,041	1,899	2,454	386	....	...	...	...	...	....	151	666
1872..	5,476	2,626	2,850	1,337	1,477	2,084	....	...	...	...	...	....	578	828
1877..	6,468	3,020	3,448	250	1,304	3,926	....	...	...	...	...	....	988	1,084
1882..	6,857	3,062	3,795	246	2,169	3,471	....	...	...	...	...	....	971	1,873
1887..	7,594	2,718	4,876	252	2,553	3,865	....	...	...	...	...	....	924	2,434
1892..	8,680	2,770	5,910	261	3,047	4,299	....	200	...	...	...	....	873	3,038
1897..	9,351	2,784	6,567	343	3,386	4,465	....	223	...	...	...	....	934	3,643
1902..	9,614	2,294	7,320	608	4,296	3,432	....	247	...	...	...	....	1,031	4,774
1907..	10,170	1,783	8,387	715	3,887	3,452	....	277	...	...	503	....	1,336	4,587
†1912..	11,128	1,511	9,617	674	6,419	1,804	....	371	...	...	317	220	1,323	7,319
†1917..	12,762	1,317	11,445	1,106	8,784	1,317	66	310	33	38	292	213	603	10,256
†1920..	13,869	1,506	12,363	1,303	9,544	1,160	237	181	61	72	323	195	793	11,370
†1921..	14,404	1,641	12,763	1,276	10,133	1,146	258	196	65	99	419	177	635	12,001

†Exclusive of Continuation School Teachers.

The men engaged in teaching in these schools in 1921 formed 11.39 per cent. of the whole number. In 1920 they formed 10.85 per cent.

The number of teachers and the class of certificates, in the Public Schools alone, in each County and District of the Province, will be found in Table C of this Appendix.

The following table classifies the teachers and certificates as to rural and urban schools:

	Teachers			Certificates		
	Total	Male	Female	1st Class	2nd Class	3rd Class
Rural Schools, 1904	5,974	1,469	4,505	152	1,944	3,107
Rural Schools, 1907	6,038	1,201	4,837	180	1,542	3,079
*Rural Schools, 1912	6,143	894	5,249	165	3,002	1,463
*Rural Schools, 1917	6,455	655	5,800	343	4,232	1,129
*Rural Schools, 1920	6,714	616	6,098	330	4,503	908
*Rural Schools, 1921	6,871	717	6,154	292	4,768	904
Urban (cities, towns and incorporated villages) Schools, 1904	3,580	606	2,974	483	2,248	289
Urban, 1907	4,132	582	3,550	535	2,345	373
*Urban, 1912	4,985	617	4,368	509	3,417	341
*Urban, 1917	6,307	662	5,645	763	4,552	188
*Urban, 1920	7,155	890	6,265	973	5,041	252
*Urban, 1921	7,533	924	6,609	984	5,365	242

In the rural schools in 1921 the men formed 10.43 per cent., and in the urban schools, 12.26 per cent. of the number of teachers employed in each case.

*Exclusive of Continuation School Teachers.

4. Teachers' Salaries and Experience

Teachers' Salaries

Year	Highest salary paid	Average salary, male teachers, province	Average salary, female teachers, province	Average salary, male teachers, cities	Average salary, female teachers, cities	Average salary, male teachers, towns	Average salary, female teachers, towns	Average salary, male teachers, incorporated villages	Average salary, female teachers, incorporated villages	*Average salary, male teachers, rural schools	*Average salary, female teachers, rural schools	Average salary, male teachers, all urban schools	Average salary, female teachers, all urban schools
	$	$	$	$	$	$	$	$	$	$	$	$	$
1867....	1,350	346	226	532	243	464	240	....	....	261	189	....	....
1872....	1,000	360	228	628	245	507	216	....	....	305	213	....	....
1877....	1,100	398	264	735	307	583	269	....	....	379	251	....	....
1882....	1,100	415	269	742	331	576	273	....	....	385	248	....	....
1887....	1,450	425	292	832	382	619	289	....	....	398	271	....	....
1892....	1,500	421	297	894	402	648	298	....	....	383	269	....	....
1897....	1,500	391	294	892	425	621	306	....	....	347	254	....	....
1902....	1,600	436	313	935	479	667	317	....	....	372	271	....	....
1907....	1,900	596	420	1,157	592	800	406	659	372	458	379	907	453
1912....	2,200	788	543	1,320	703	977	519	779	492	566	493	1,141	618
1917....	2,500	1,038	650	1,637	795	1,166	628	908	573	686	580	1,425	731
1920....	3,500	1,575	1,000	2,150	1,262	1,674	941	1,254	839	1,059	868	1,964	1,146
1921....	3,500	1,628	1,079	2,245	1,310	1,721	1,005	1,356	940	1,125	961	2,053	1,203

* Incorporated villages included from 1867 to 1902 inclusive.

Increases in salaries in the cities, towns, villages and rural schools are shown in the above table. In Table C the average salaries for 1921 of the Public School teachers of the various Counties and Districts are given separately, and summarized for the cities, towns and villages. This table also states the salaries paid to teachers according to the grade of certificate held, and illustrates to what extent the teacher with the higher certificate commands the higher salary. The average salaries for the Province are as follows:

	Male				Female			
	1912	1917	1920	1921	1912	1917	1920	1921
First Class Certificates.....	$1,340	$1,548	$2,104	$2,236	$634	$728	$1,075	$1,180
Second Class Certificates...	757	916	1,367	1,436	587	673	1,034	1,101
Third Class and District Certificates.............	524	562	873	928	458	507	768	845

Teachers' Experience

The length of service or experience of the teachers engaged in the Public Schools is also shown in Table C, where the numbers who have taught from less than one year up to forty years and over are given for each year.

The average experience in the Public Schools at the end of 1921 was as follows:

Male teachers, 12.9 years.
Female teachers, 8.2 years.
All teachers, 8.6 years.

5. Receipts and Expenditures

Year	Receipts				Expenditures				
	Legislative grants	Municipal school grants and assessments	Clergy reserve funds, balances and other sources	Total receipts	Teachers' salaries	Sites and buildings school houses	Libraries, maps, apparatus, prizes, etc.	Rent, repairs, fuel and other expenses	Total expenditure
	$	$	$	$	$	$	$	$	$
1867.	187,153	1,151,583	331,599	1,670,335	1,093,517	149,195	31,354	199,123	1,473,189
1872.	225,318	1,763,492	541,460	2,530,270	1,371,594	456,043	47,799	331,928	2,207,364
1877.	251,962	2,422,432	730,687	3,405,081	2,038,099	477,393	47,539	510,458	3,073,489
1882.	265,738	2,447,214	757,038	3,469,990	2,144,449	341,918	15,583	525,025	3,026,975
1887.	268,722	3,084,352	978,283	4,331,357	2,458,540	544,520	27,509	711,535	3,742,104
1892.	283,791	3,300,512	1,227,596	4,811,899	2,752,629	427,321	40,003	833,965	4,053,918
1897.	366,538	3,361,562	1,260,055	4,988,155	2,886,061	391,689	60,585	877,335	4,215,670
1902.	383,666	3,959,912	1,422,924	5,766,502	3,198,132	432,753	86,723	1,107,552	4,825,160
1907.	655,239	6,146,825	2,455,864	9,257,928	4,389,524	1,220,820	213,096	1,732,739	7,556,179
1912.	842,278	9,478,887	3,936,887	14,258,052	6,109,547	2,777,960	167,755	2,218,698	11,273,960
1917.	907,846	12,193,439	4,168,000	17,269,285	8,398,450	1,987,644	290,207	3,435,534	14,111,835
1920.	1,612,837	18,766,800	9,413,521	29,793,158	13,070,038	4,792,571	333,288	7,020,615	25,216,512
1921.	2,454,018	21,195,263	11,461,271	35,110,552	15,473,049	5,605,341	418,370	8,218,033	29,714,793

The increase for the year in the amount paid as teachers' salaries was $2,403,011. The total expenditure increased by $4,498,281.

These tables show the expenditure per pupil for the years as given below:

Average cost per pupil (enrolled attendance)

	1902	1907	1912	1917	1920	1921
Teachers' salaries.........	$7 04	$9 79	$13 08	$15 91	$23 13	$26 44
Sites and buildings........	0 95	2 72	5 95	3 77	8 48	9 58
All other expenses.........	2 63	4 34	5 11	7 06	13 02	14 75
For all purposes.....	$10 62	$16 85	$24 14	$26 74	$44 63	$50 77

Average cost per pupil (average attendance)

	1902	1907	1912	1917	1920	1921
Teachers' salaries.........	$12 23	$16 47	$20 98	$24 52	$36 07	$38 13
Sites and buildings........	1 65	4 58	9 54	5 80	13 22	13 81
All other expenses.........	4 57	7 30	8 19	10 87	20 29	21 28
For all purposes.....	$18 45	$28 35	$38 71	$41 19	$69 58	$73 22

The expenditure per pupil (enrolled attendance) for 1921 in the Public Schools alone will be found in Table E, and for the R. C. Separate Schools in Table F. The expenditure will there be shown as to rural schools, cities, towns, and villages separately.

II. ROMAN CATHOLIC SEPARATE SCHOOLS

1. Schools, Teachers and Attendance

Year	Schools open	Teachers	Pupils	Boys	Girls	Average daily attendance	Percentage of average attendance to total number enrolled	Percentage of aggregate to possible aggregate attendance
1867........	161	210	18,924	.....	.....	8,606	45.47	.....
1872........	171	254	21,406	.....	.....	10,584	49.44	.....
1877........	185	334	24,952	.....	.....	12,549	50.29	....
1882........	190	390	26,148	.....	.....	13,574	51.91	....
1887........	229	491	30,373	15,376	14,997	16,866	55.52	.....
1892........	312	662	37,466	19,169	18,297	21,560	57.54	.....
1897........	340	752	41,620	21,342	20,278	24,996	60.05	.....
1902........	391	870	45,964	23,314	22,650	28,817	62.69	.....
1907........	449	1,034	51,502	26,420	25,082	33,500	65.04	.....
1912........	513	1,237	61,297	31,126	30,171	39,735	64.82	.....
1917........	548	1,488	70,048	35,036	35,012	46,919	66.98	.....
1920........	594	1,716	76,881	38,209	38,672	52,370	68.11	.....
1921........	621	1,848	83,977	42,140	41,837	60,079	71.54	85.90

2. Receipts and Expenditures

Year	Receipts				Expenditures					
	Legislative grants	Municipal school grants and assessments	Balances, subscribed and other sources	Total receipts	Teachers' salaries	Sites and building school houses	Libraries, maps, apparatus, prizes, etc.	Rent, repairs, fuel and other expenses	Total expenditure	Cost per pupil
	$	$	$	$	$	$	$	$	$	$ c.
1867.	9,993	26,781	11,854	48,628	34,830	....	......	†7,889	42,719	2 26
1872.	12,327	41,134	15,349	68,810	45,824	....	......	†15,993	61,817	2 88
1877.	13,607	72,177	34,482	120,266	70,201	24,510	2,811	17,284	114,806	4 60
1882.	14,382	97,252	55,105	166,739	84,095	36,860	1,303	32,082	154,340	5 13
1887.	16,808	147,639	65,401	229,848	112,293	48,937	3,624	46,369	211,223	6 95
1892.	21,043	206,698	98,293	326,034	149,707	65,874	2,922	71,335	289,838	7 74
1897.	26,675	224,617	84,032	335,324	168,800	41,233	5,786	86,350	302,169	7 26
1902.	30,472	293,348	161,683	485,503	210,199	100,911	6,158	118,173	435,441	9 47
1907.	40,524	442,316	308,540	791,380	281,484	186,908	15,991	229,793	714,176	13 86
1912.	51,846	757,255	377,713	1,186,814	456,800	308,193	15,207	263,024	1,043,224	17 01
1917.	63,127	1,066,253	370,346	1,499,726	635,089	262,103	24,836	391,695	1,313,723	18 75
1920.	133,672	1,646,452	887,185	2,667,309	1,013,981	465,099	30,865	862,520	2,372,465	30 85
1921.	196,283	1,980,312	1,552,246	3,728,841	1,236,961	1,086,551	40,225	1,000,883	3,364,620	40 06

†Including all expenditure except for teachers' salaries.

An increase of 7,096 in the enrolment and of $992,155 in the expenditure in 1921 are noticed in the above tables. The expenditure per pupil of enrolled attendance increased from $30.85 to $40.06. Detailed statistics in reference to these schools will be found in Tables F and G.

III. PROTESTANT SEPARATE SCHOOLS

The following is a complete list of the Protestant Separate Schools of the Province:—No. 1 Grattan, No. 2 Hagarty, L'Orignal and Penetanguishene (two schools).

They were attended by 434 pupils in 1921. The whole amount expended for their maintenance and permanent improvements was $16,078.88. Ten teachers held Second Class certificates, and one held a District certificate.

More complete statistics for these schools will be found in Table T.

IV. CONTINUATION SCHOOLS

The following table gives statistics of the "Continuation Classes, Grade A," up to and including 1907. Thereafter they are known as "Continuation Schools." Formerly the statistics of these schools were included with the statistics of the Public and Separate Schools, consequently certain items for the years 1897-1907 cannot be given.

Year	Schools	One-teacher schools	Two-teacher schools	Three-teacher schools	Number of teachers	Receipts		Expenditure		Total value of Equipment	Number of Pupils	Percentage of average attendance to total enrolment
						Legislative grant	Total Receipts	Paid for Teachers' Salaries	Total Expenditure			
						$	$	$	$	$		
1897.....	27	20	7	....	34	2,700	....	....	....	....	1,275	......
1902.....	59	46	12	1	73	8,350	....	....	....	....	1,856	......
1907.....	91	65	24	2	119	25,610	....	73,325	....	26,345	3,993	......
1912.....	138	54	73	11	226	64,081	295,261	202,875	265,087	75,556	6,094	61.97
1917.....	137	36	99	2	*241	65,733	360,431	228,362	324,621	93,228	*5,104	*73.15
1920.....	144	36	100	8	*255	113879	548,411	317,602	473,085	117,629	*5,823	*82.26
1921.....	160	46	102	12	*286	127770	723,426	406,162	649,474	134,714	*7,505	*84.06

* For school year ended six months after the calendar year specified.

Of the enrolled attendance for 1921-22, 5,739 pupils were in the Lower School and 1,766 in the Middle School. The total attendance was made up of 3,080 boys and 4,425 girls.

Average Cost per pupil, enrolled attendance

	1917	1920	1921
Teachers' salaries..........................	$44 74	$54 54	$54 12
Sites and buildings..........................	6 33	5 97	12 93
All other expenses..........................	12 53	20 73	19 48
For all purposes......................	$63 60	$81 24	$86 53

Average Cost per pupil (average attendance)

	1912	1917	1920	1921
Teachers' salaries................	$53 71	$61 15	$66 30	$64 38
Sites and buildings..............	4 17	8 66	7 26	15 38
All other purposes..............	12 30	17 12	25 20	23 18
For all purposes...........	$70 18	$86 93	$98 76	$102 94

Statistics in detail for 1921-22 in reference to the Continuation Schools will be found in Tables H, I, J and K.

V. COLLEGIATE INSTITUTES AND HIGH SCHOOLS

The following table gives comparative statistics respecting Collegiate Institutes and High Schools from 1867 to 1921, inclusive:

1. Receipts, Expenditure, Attendance, etc.

Year	Schools	Teachers	Receipts		Expenditure			Pupils	Percentage of average attendance to total enrolment
			Legislative grant	Total Receipts	Paid for teachers' salaries	Paid for sites and buildings	Total expenditure		
			$	$	$	$	$		
1867......	102	159	54,562	139,579	94,820	*19,190	124,181	5,696	55
1872......	104	239	79,543	223,269	141,812	*31,360	210,005	7,968	56
1877......	104	280	78,762	357,521	211,607	*51,417	343,710	9,229	56
1882......	104	332	84,304	373,150	253,864	*19,361	343,720	12,348	53
1887......	112	398	91,977	529,323	327,452	*73,061	495,612	17,459	59
1892......	128	522	100,000	793,812	472,029	*91,108	696,114	22,837	60
1897......	130	579	101,250	767,487	532,837	*46,627	715,976	24,390	61
1902......	134	593	112,650	832,853	547,402	44,246	769,680	24,472	58.97
1907......	143	750	158,549	1,611,553	783,782	193,975	1,213,697	30,331	60.94
1912......	148	917	209,956	2,414,128	1,232,537	327,982	1,953,061	32,273	62.80
1917......	162	†1,051	184,088	3,051,684	1,554,049	277,544	2,418,975	†29,097	†78.15
1920......	168	†1,207	176,159	4,065,050	2,269,387	364,264	3,588,933	†34,128	†84.83
1921......	170	†1,302	223,165	5,623,528	2,531,069	1,058,691	4,790,211	†39,405	†86.94

* Expenses for repairs, etc., included.

† For the school year ended six months after the calendar year specified.

Average cost per pupil (enrolled attendance)

	1917	1920	1921
Teachers' salaries...............	$53 41	$66 50	$64 23
Sites and buildings..............	9 54	10 67	26 87
All other expenses...............	20 18	27 99	30 46
For all purposes...........	$83 13	$105 16	$121 56

Average cost per pupil (average attendance)

	1902	1907	1912	1917	1920	1921
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Teachers' salaries.........	37 93	42 40	60 81	68 34	78 38	73 87
Sites and buildings........	3 07	10 49	16 18	12 20	12 58	30 90
All other purposes........	12 34	12 76	19 37	25 83	33 00	35 04
For all purposes........	53 34	65 65	96 36	106 37	123 96	139 81

Number of Pupils in the three grades of schools in the Collegiate Institutes and High Schools

	1916-17	1919-20	1920-21	1921-22
Lower School	20,190	23,344	24,166	27,273
Middle School	7,336	8,170	8,471	9,794
Upper School	1,571	1,522	1,491	2,338
Total enrolment	29,097	33,036	34,128	39,405
Total number of boys	12,353	14,681	15,221	18,328
Total number of girls	16,744	18,355	18,907	21,077

2. Occupation of Parents of Pupils attending High Schools and Collegiate Institutes

	1917-18	1919-20	1920-21	1921-22
Commerce	6,516	7,717	8,118	9,307
Agriculture	8,449	8,688	8,583	10,119
Law, Medicine, Dentistry or the Church	1,531	1,569	1,711	1,822
Teaching	511	479	529	554
The Trades	5,734	6,812	7,236	8,149
Labouring Occupations	1,899	2,506	2,813	3,442
Other Classes	4,457	5,265	5,138	6,012

The statistics in detail of the various Collegiate Institutes and High Schools of the Province for 1921-22 will be found in Tables L, M, N and O.

VI. TEACHERS' INSTITUTES

This table presents the work of the Teachers' Institutes for forty-five years:

Year	No. of Teachers' Institutes	No. of Members	No. of Teachers in the Province (High School teachers not included)	Receipts				Expenditure	
				Amount received from government grants	Amount received from municipal grants	Amount received from members' fees	Total amount received	Amount paid for Libraries	Total amount expended
				$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1877	42	1,181	6,468	1,412 50	100 00	299 75	2,769.44	....	1,127 63
1882	62	4,395	6,857	2,900 00	300 00	1,088 84	9,394 28	453 02	5,355 33
1887	66	6,781	7,594	1,800 00	1,879 45	730 66	10,405 95	1,234 08	4,975 50
1892	69	8,142	8,680	1,950 00	2,105 00	875 76	12,043 54	1,472 41	6,127 46
1897	73	7,627	9,351	2,425 00	2,017 45	901 15	12,446 20	1,479 88	6,598 84
1902	77	8,515	9,614	2,515 00	1,877 50	1,171 80	13,171 26	1,437 18	7,188 45
1907	81	9,319	10,170	2,850 00	1,920 00	1,671 32	14,824 09	654 16	7,487 41
1912	83	*9,913	11,128	3,800 00	2,100 78	1,961 10	22,120 70	1,359 24	10,120 89
1917	94	*12,460	12,762	5,475 00	3,701 62	3,821 23	27,712 01	3,173 12	13,977 20
1920	96	*13,303	13,869	5,514 20	3,937 57	5,116 54	31,441 88	5,120 72	17,915 96
1921	96	*13,309	14,404	6,275 00	4,411 50	6,244 00	35,660 70	5,807 92	20,847 75

*Registered attendance of members.

See Appendix M for details for 1921.

VII. DEPARTMENTAL EXAMINATIONS, Etc.

1. Table showing the Number of Teachers in Training at Provincial Normal Schools, and the Pupils at the Normal Model Schools in connection therewith, etc., 1877-1923

Year	No. of Normal School teachers	No. of Normal School students	No. of Normal Model School and Kindergarten teachers	No. of Normal Model School and Kindergarten pupils
1877	13	257	8	643
1882	16	260	15	799
1887	13	441	18	763
1892	12	428	22	842
1897	13	407	23	832
1902	16	619	31	958
1907-08	*35	428	*38	979 (1907)
1912-13	*69	986	*38	914 (1912)
1917-18	*78	1,514	*43	938 (1917)
1921-22	*82	1,481	*44	1,000 (1921)
1922-23	*85	1,815	*43	1,070 (1922)

* Including those engaged in both a Normal and a Normal Model School.

2. High School Entrance Examinations, 1877-1922.

Year	Total number examined	Number granted certificates	Percentages	Year	Total number examined and recommended by Principals	Number granted certificates	Percentage
1877	7,383	3,836	51.95	1907	22,144	15,430	69.68
1882	9,607	4,371	45.49	1912	22,679	13,977	61.62
1887	16,248	9,364	57.63	1917	21,975	15,751	71.67
1892	16,409	8,427	51.35	1921	31,521	25,260	80.13
1897	16,384	10,502	64.09	1922	36,114	27,560	76.31
1902	18,087	13,300	73.53				

3. Lower School Examination, 1922

Statistics of Results by Papers

Subjects	Number of Candidates	Number Passed	Number of Appeals	Appeals Sustained	Total Passed	Percentage
English Grammar	10,522	9,101	33	2	9,103	86.51
Canadian History	10,671	7,229	53	4	7,233	67.78
Geography	9,998	9,117	13	2	9,119	91.20
Physiography	7,772	6,028	33	3	6,031	77.59
Arithmetic	9,632	7,536	29	3	7,539	78.27
Art	13,014	11,623	28	3	11,626	89.33
Botany	15,383	13,528	29	0	13,528	87.94
Zoology	7,727	7,363	11	0	7,363	95.28
English Literature	305	194	1	0	194	63.60
English Composition	355	313	0	0	313	88.16
Algebra	482	276	0	0	276	57.26
Geometry	207	160	1	0	160	77.29
Agriculture & Hort. I	1,404	1,251	1	0	1,251	89.10
Agriculture & Hort. II	399	377	1	0	377	94.48
Latin Grammar	1,256	1,088	1	0	1,088	86.62

NOTE.—Total Number of Candidates................ 20,330
Total Number of Examination Centres....... 373

4. Middle School Examinations, 1922

Statistics of Results by Papers

Subjects	June						September						June and September combined		
	Number of Candidates	Number Passed	Number of Appeals	Appeals Sustained	Total Passed	Percentage	Number of Candidates	Number Passed	Number of Appeals	Appeals Sustained	Total Passed	Percentage	Total Number of Candidates	Grand Total Passed	Percentage
English Composition	10,781	9,411	36	1	9,412	87.30	839	576	2	0	576	68.65	10,781	9,988	92.64
English Literature	10,705	9,187	35	0	9,187	85.81	688	391	9	1	392	56.97	10,705	9,579	89.48
British History	11,582	8,597	47	5	8,602	74.27	1,359	1,039	7	1	1,040	76.52	11,582	9,642	83.24
Ancient History	7,834	5,369	60	15	5,384	68.72	1,080	491	2	0	491	45.46	7,834	5,875	74.99
Algebra	9,941	5,651	36	1	5,652	56.85	1,987	720	3	1	722	36.33	9,941	6,374	64.11
Geometry	8,087	6,404	30	0	6,404	79.18	615	171	20	5	176	28.61	8,087	6,580	81.36
Physics	8,517	6,551	35	2	6,553	76.94	720	240	5	0	240	33.33	8,517	6,793	79.75
Chemistry	7,878	6,076	28	1	6,077	77.13	595	227	3	2	229	38.48	7,878	6,306	80.04
Latin Authors	5,405	3,089	23	0	3,089	57.15	796	335	5	0	335	42.08	5,405	3,424	63.34
Latin Composition	5,756	3,478	30	1	3,479	60.44	721	207	7	3	210	29.12	5,756	3,689	64.08
French Authors	5,401	4,199	25	1	4,200	77.76	347	191	0	0	191	55.04	5,401	4,391	81.29
French Composition	5,583	4,143	16	0	4,143	74.20	417	248	6	1	249	59.71	5,583	4,392	78.66
German Authors	365	360	0	0	360	98.63	10	5	0	0	5	50.00	365	365	100.00
German Composition	357	247	4	0	247	69.18	54	17	1	0	17	31.48	357	264	73.94
Greek Authors	128	74	1	0	74	57.81	19	8	0	0	8	42.10	128	82	64.06
Greek Composition	121	81	1	0	81	66.94	11	8	0	0	8	72.72	121	89	73.55
Spanish Authors	85	51	0	0	51	60.00	8	5	0	0	5	62.50	85	56	65.88
Spanish Composition	88	65	0	0	65	73.86	8	5	0	0	5	62.50	88	70	79.54
Agric. & Hort. I	154	134	0	0	134	87.01	10	8	0	0	8	80.00	154	142	92.20
Agric. & Hort. II	131	109	0	0	109	83.20	4	3	0	0	3	75.00	131	112	85.49

NOTE.—Total Number of Candidates writing in June............ 13,666
September....... 5,053
Total Number of Examination Centres in June........... 319
September...... 77

5. Upper School Examinations, 1922

Statistics of Results by Papers

Subjects	June						September						June and September combined		
	Number of Candidates	Number Passed	Number of Appeals	Appeals Sustained	Total Passed	Percentage	Number of Candidates	Number Passed	Number of Appeals	Appeals Sustained	Total Passed	Percentage	Total Number of Candidates	Grand Total Passed	Percentage
English Composition	2,178	1,940	9	1	1,941	89.11	293	221	8	3	224	76.45	2,178	2,165	99.40
English Literature	2,125	1,717	25	1	1,718	80.84	298	213	4	0	213	71.47	2,125	1,931	90.87
History	1,197	1,056	4	1	1,057	88.30	153	137	1	0	137	89.54	1,197	1,194	99.74
Algebra	1,763	1,099	18	1	1,100	62.39	242	125	9	1	126	52.06	1,763	1,226	69.54
Geometry	1,782	1,345	9	1	1,346	75.53	165	73	5	1	74	44.84	1,782	1,420	79.68
Trigonometry	1,591	1,386	1	0	1,386	87.11	54	33	1	0	33	61.11	1,591	1,419	89.18
Botany	457	336	4	0	336	73.52	91	51	4	0	51	56.04	457	387	84.68
Zoology	470	340	4	0	340	72.34	88	56	4	2	58	65.90	470	398	84.68
Physics	635	562	4	0	562	88.50	65	39	1	0	39	60.00	635	601	94.64
Chemistry	515	362	1	0	362	70.29	66	41	1	0	41	62.12	515	403	78.25
Latin Authors	1,092	859	8	1	860	78.75	93	50	1	0	50	53.76	1,092	910	83.33
Latin Composition	1,088	635	10	0	635	58.36	221	67	3	1	68	30.76	1,088	703	64.61
French Authors	1,876	1,740	2	0	1,740	92.75	109	87	2	0	87	79.81	1,876	1,827	97.38
French Composition	1,881	1,285	15	0	1,285	68.31	282	71	8	0	71	25.17	1,881	1,356	72.08
German Authors	172	170	0	0	170	98.83	2	2	0	0	2	100.00	172	172	100.00
German Composition	166	148	0	0	148	89.15	8	5	1	0	5	62.50	166	153	92.16
Greek Authors	44	38	0	0	38	86.36	1	0	0	0	0	0.00	44	38	86.36
Greek Composition	32	23	0	0	23	71.87	4	3	0	0	3	75.00	32	26	81.25

NOTE.—Total Number of Candidates writing in June	2,708
September	1,242
Total Number of Examination Centres in June	162
September	44

THE PUBLIC

I. TABLE A—ATTENDANCE AND PUPILS IN THE

Rural Schools	Attendance					Pupils in the Kindergarten-Primary	Primer
	Total number of Pupils Attending School	Boys	Girls	Average Daily Attendance of Pupils	Percentage of Actual Aggregate to Possible Aggregate Attendance		
1 Brant	3,310	1,699	1,611	2,269	88	140	661
2 Bruce	4,935	2,568	2,367	3,365	86	......	1,023
3 Carleton	5,937	3,010	2,927	3,821	81	137	1,390
4 Dufferin	2,263	1,209	1,054	1,486	80	5	456
5 Dundas	2,435	1,289	1,146	1,674	84	......	545
6 Elgin	4,184	2,222	1,962	2,766	86	7	859
7 Essex	5,713	3,020	2,693	3,566	84	113	1,451
8 Frontenac	4,180	2,104	2,076	2,362	76	......	1,212
9 Glengarry	2,699	1,366	1,333	1,572	76	2	785
10 Grey	6,530	3,394	3,136	4,289	84	......	1,403
11 Haldimand	2,479	1,273	1,206	1,699	86	20	462
12 Haliburton	1,589	782	807	888	82	47	454
13 Halton	2,274	1,204	1,070	1,414	82	......	521
14 Hastings	6,196	3,212	2,984	3,901	81	1	1,565
15 Huron	5,472	2,864	2,608	3,913	86	19	896
16 Kent	6,338	3,218	3,120	3,982	83	50	1,548
17 Lambton	4,954	2,646	2,308	3,371	87	3	891
18 Lanark	2,849	1,430	1,419	1,847	76	......	683
19 Leeds and Grenville	5,616	2,868	2,748	3,504	84	......	1,264
20 Lennox and Addington	2,895	1,497	1,398	1,833	83	......	727
21 Lincoln	3,712	1,895	1,817	2,330	82	10	885
22 Middlesex	6,650	3,437	3,213	4,543	84	......	1,283
23 Norfolk	3,654	1,862	1,792	2,296	83	......	870
24 Northumberland and Durham	6,366	3,325	3,041	4,128	83	8	1,320
25 Ontario	4,981	2,528	2,453	3,278	85	......	1,161
26 Oxford	4,780	2,450	2,330	3,242	85	......	978
27 Peel	2,883	1,490	1,393	1,805	82	......	648
28 Perth	4,121	2,171	1,950	2,978	86	......	754
29 Peterborough	3,201	1,608	1,593	1,999	80	......	849
30 Prescott and Russell	2,898	1,526	1,372	1,779	83	......	956
31 Prince Edward	2,012	1,021	991	1,309	84	......	444
32 Renfrew	5,747	2,993	2,754	3,403	76	......	1,624
33 Simcoe	8,519	4,412	4,107	5,490	80	......	1,982
34 Stormont	2,677	1,413	1,264	1,710	83	27	674
35 Victoria	3,162	1,666	1,496	2,137	88	......	659
36 Waterloo	3,851	1,997	1,854	2,734	87	......	846
37 Welland	5,425	2,839	2,586	3,441	86	178	1,525
38 Wellington	4,535	2,385	2,150	3,023	87	2	924
39 Wentworth	6,090	3,114	2,976	3,902	85	49	1,411
40 York	20,591	10,627	9,964	13,317	87	467	5,193
41 Algoma	3,278	1,645	1,633	1,861	82	6	1,059
42 Kenora	781	419	362	433	85	44	223
43 Manitoulin	1,694	836	858	1,043	80	......	473
44 Muskoka	2,679	1,413	1,266	1,567	79	16	683
45 Nipissing	1,998	1,087	911	1,085	74	141	780
46 Parry Sound	3,922	1,945	1,977	2,233	77	....	1,149
47 Rainy River	1,595	831	764	815	79	47	419
48 Sudbury	4,037	2,003	2,034	2,302	81	46	1,774
49 Timiskaming	4,228	2,146	2,082	2,367	81	59	1,523
50 Thunder Bay	2,670	1,337	1,333	1,533	77	80	841
Totals	215,585	111,296	104,289	137,605	83.19	1,724	52,706

SCHOOLS

VARIOUS BRANCHES OF INSTRUCTION

	1st Book	2nd Book	3rd Book	4th Book	Beyond 4th Book	Art	Geography	Music	Literature	Composition	Grammar
1	457	597	826	602	27	3,113	2,640	2,611	2,908	2,878	790
2	592	898	1,154	1,198	70	4,770	3,546	3,957	4,400	4,233	1,824
3	785	1,159	1,147	1,293	26	5,521	4,592	4,754	4,922	4,981	2,066
4	303	429	505	541	24	2,102	1,650	1,297	1,825	1,852	633
5	302	500	465	594	29	2,338	1,920	1,932	1,990	2,094	1,087
6	479	654	1,002	1,089	94	4,083	3,259	3,724	4,016	3,989	1,393
7	835	1,233	1,137	908	36	5,394	3,945	3,880	4,492	4,602	1,933
8	543	717	774	934	....	4,180	2,961	3,261	4,180	4,180	934
9	337	637	468	433	37	2,539	1,886	2,156	2,202	2,266	590
10	783	1,207	1,499	1,506	132	6,171	4,862	4,958	5,034	4,968	1,728
11	271	533	580	570	43	2,307	1,896	1,522	2,003	2,005	745
12	244	282	272	255	35	1,272	945	628	1,027	1,012	379
13	269	410	487	576	11	2,181	1,659	1,478	1,913	1,842	767
14	809	1,220	1,311	1,150	140	6,067	5,654	5,431	5,857	5, 46	1,481
15	635	1,080	1,194	1,375	273	4,878	4,061	3,881	4,571	4,370	1,846
16	913	1,239	1,093	1,382	113	5,839	4,547	4,591	4,968	4,889	1,624
17	684	827	1,064	1,278	207	4,694	3,895	3,313	4,580	4,736	1,529
18	341	530	600	669	26	2,821	2,155	1,912	2,545	2,485	814
19	729	983	1,076	1,482	82	5,477	5,286	4,346	4,671	4,763	1,764
20	387	504	564	668	45	2,770	2,117	1,951	2,348	2,360	940
21	502	696	866	716	37	3,383	2,646	3,064	3,079	2,798	801
22	867	1,379	1,387	1,678	56	6,650	5,448	5,260	6,432	6,522	2,150
23	459	765	829	703	28	3,549	2,883	2,773	3,172	3,268	747
24	802	1,330	1,419	1,382	105	6,116	4,777	3,964	5,219	5,216	1,901
25	645	956	1,171	999	49	4,800	3,421	4,209	3,912	4,474	1,233
26	591	877	1,163	1,081	90	4,712	3,633	3,996	4,032	4,095	1,379
27	375	454	664	716	26	2,713	2,107	1,867	2,330	2,380	842
28	487	664	1,024	1,091	101	4,064	3,756	3,753	3,802	3,730	1,430
29	433	584	677	634	24	2,892	2,400	2,195	2,438	2,497	768
30	361	452	488	590	51	2,625	1,962	1,949	1,982	2,331	716
31	280	342	462	443	41	2,270	1,789	1,695	2,108	2,080	672
32	829	1,126	1,056	972	140	5,473	5,021	4,441	5,272	5,210	1,662
33	1,111	1,912	1,738	1,696	80	8,471	7,014	4,965	8,156	7,373	2,463
34	327	567	538	525	19	2,464	1,876	1,870	2,143	2,245	889
35	384	619	655	729	116	2,996	2,363	1,999	2,748	2,719	890
36	470	778	941	780	36	3,851	3,122	3,390	3,851	3,851	940
37	687	937	1,146	904	48	4,982	3,701	3,908	4,291	3,929	1,273
38	528	762	958	1,237	124	4,181	3,311	3,370	3,556	3,568	1,706
39	868	1,041	1,367	1,279	75	5,877	5,040	5,685	5,611	5,630	1,564
40	3,481	4,445	4,156	2,720	129	20,399	14,720	19,194	18,262	16,977	3,978
41	398	604	535	636	40	3,192	2,261	1,642	2,532	2,614	712
42	110	162	112	123	7	637	481	576	547	607	226
43	188	284	342	370	37	1,637	1,126	1,136	1,245	1,231	465
44	414	492	506	516	52	2,550	1,955	1,628	2,193	2,122	634
45	292	292	279	205	9	1,817	1,115	1,601	1,581	1,522	266
46	545	675	748	684	121	3,853	2,888	3,238	3,782	3,387	931
47	234	303	272	264	56	1,397	1,145	1,036	1,183	1,228	435
48	618	645	476	433	45	3,865	3,161	3,477	3,416	3,363	536
49	650	709	637	628	22	4,025	2,863	3,784	3,648	3,643	847
50	444	502	444	313	46	2,637	1,857	2,564	2,578	2,499	778
	29,078	40,993	44,274	43,550	3,260	206,595	163,317	165,812	185,553	183,460	58,701

THE PUBLIC

I. TABLE A—ATTENDANCE AND PUPILS IN THE

Rural Schools	English History	Canadian History	Physiology and Hygiene	Nature Study	Physical Culture	Bookkeeping	Arithmetic and Mensuration
1 Brant	1,587	1,633	2,260	2,672	3,186	.....	19
2 Bruce	1,934	2,192	4,090	4,270	4,712	4	24
3 Carleton	3,065	3,226	4,460	4,882	5,679	.....	3
4 Dufferin	761	932	1,668	1,835	2,036	1	36
5 Dundas	820	1,063	1,779	2,060	2,435	.....	15
6 Elgin	1,514	1,798	3,948	3,978	3,995	3	61
7 Essex	1,865	2,180	5,123	4,644	5,100	.....	18
8 Frontenac	1,829	2,010	4,180	4,180	4,180	.....	......
9 Glengarry	949	1,101	1,785	1,923	2,614	12	8
10 Grey	2,488	2,824	5,397	5,974	6,378	.....	34
11 Haldimand	1,032	1,188	1,926	2,114	2,368	20	37
12 Haliburton	354	466	839	1,196	1,149	.....	23
13 Halton	745	940	1,682	1,939	2,138	.....	4
14 Hastings	2,285	2,628	5,629	5,797	6,115	30	91
15 Huron	1,885	2,606	4,223	4,236	4,984	11	216
16 Kent	2,259	2,496	4,581	4,358	6,071	.....	68
17 Lambton	2,781	2,927	4,389	4,063	4,769	15	121
18 Lanark	1,021	1,196	2,222	2,441	2,785	.....	7
19 Leeds and Grenville	2,425	2,771	4,797	5,137	5,486	12	24
20 Lennox and Addington	1,067	1,218	2,226	2,410	2,759	.....	15
21 Lincoln	1,142	1,484	2,793	3,106	3,444	.....	32
22 Middlesex	3,030	3,229	5,870	5,191	6,415	1,210	28
23 Norfolk	1,456	1,775	3,131	3,170	3,516	.....	14
24 Northumberland and Durham	2,033	2,371	5,161	5,422	6,052	14	62
25 Ontario	2,058	2,207	4,365	4,502	4,897	18	36
26 Oxford	1,925	2,141	4,477	4,548	4,780	23	71
27 Peel	988	1,129	2,358	2,454	2,009	.....	1
28 Perth	1,357	1,666	3,495	3,714	4,013	.....	20
29 Peterborough	1,021	1,273	2,548	2,752	2,950	22	17
30 Prescott and Russell	1,061	1,275	1,994	2,107	2,604	.....	21
31 Prince Edward	1,071	1,071	2,090	2,183	2,266	2	22
32 Renfrew	2,629	2,902	5,113	5,013	5,595	9	128
33 Simcoe	2,663	3,309	6,812	8,095	8,335	.....	26
34 Stormont	1,019	1,077	1,766	1,922	2,609	1	10
35 Victoria	1,277	1,417	2,460	2,751	2,698	5	76
36 Waterloo	1,140	1,394	3,302	3,761	2,809	1	17
37 Welland	1,543	1,843	4,297	4,648	5,237	18	31
38 Wellington	1,781	2,030	3,514	3,530	4,216	8	63
39 Wentworth	2,781	3,078	5,741	5,695	6,085	28	61
40 York	5,370	6,509	16,858	17,425	20,505	137	103
41 Algoma	1,071	1,241	3,057	3,055	3,118	21	27
42 Kenora	271	313	513	538	636	3	5
43 Manitoulin	658	772	1,630	1,670	1,694	....	32
44 Muskoka	929	1,113	2,082	2,144	2,126	10	37
45 Nipissing	521	768	1,606	1,749	1,898	1	1
46 Parry Sound	1,068	1,700	3,481	3,654	3,634	33	111
47 Rainy River	506	653	1,012	1,185	1,311	45	47
48 Sudbury	972	2,195	3,438	3,709	3,819	....	34
49 Timiskaming	1,064	1,682	3,920	3,829	4,133	19	7
50 Thunder Bay	846	911	2,630	2,533	2,556	....	38
Totals	77,917	91,923	178,718	186,164	204,899	1,736	2,002

SCHOOLS (Continued)

VARIOUS BRANCHES OF INSTRUCTION (Continued)

	Algebra	Geometry	Latin	German	French (beyond 4th Book)	French (Primer to 4th Book inclusive)	Elementary Science	Commercial Subjects	Agriculture	Manual Training	Household Science
1	19	15	17	....	9	....	14	14	376	67	135
2	22	4	18	....	9	....	15	4	2,768	367	213
3	3	1	2	....	1	....	....	....	907	345	....
4	9	2	5	....	8	1	2	....	650	358	179
5	18	....	5	....	17	....	18	....	1,100	.....	....
6	70	4	1	....	1	....	73	3	2,355	1,200	1,419
7	12	1	8	....	14	666	10	29	1,638	1,056	....
8	....	....	....	....	....	....	....	....	..131	10	....
9	9	....	7	....	4	74	3	....	1,233	92	47
10	51	5	36	....	35	....	40	6	805	243	119
11	36	4	22	....	26	....	31	....	347	29	11
12	31	12	17	11	6	17	13	12	31	102	30
13	4	2	4	....	4	....	2	....	553	148	4
14	81	7	12	....	10	....	47	15	1, 61	161	441
15	198	60	103	....	58	6	187	17	2,076	246	....
16	65	36	26	....	25	227	53	4	2,971	643	73
17	121	21	41	....	32	13	93	64	2,220	1,090	140
18	12	6	12	....	12	6	10	1	848	64	....
19	42	3	35	5	23	....	14	....	1,333	252	38
20	5	....	6	....	....	....	6	....	5	...	....
21	25	8	9	....	7	....	20	17	596	142	192
22	21	8	3	....	3	....	17	10	2,845	2,220	780
23	11	....	....	....	....	....	4	....	694	16	26
24	60	10	17	....	10	....	13	1	1,605	257	175
25	35	12	7	....	6	3	31	12	1,035	159	94
26	79	26	33	....	11	....	40	....	1,280	180	82
27	1	1	....	....	....	....	1	1	832	.....	193
28	17	5	11	....	6	....	12	....	2,218	407	220
29	12	2	2	....	....	....	2	1	209	.....	426
30	39	9	26	....	26	828	40	....	245	172	100
31	20	8	4	....	1	....	20	1	494	1,229	150
32	135	30	75	....	77	....	76	....	664	25	18
33	26	12	....	....	....	128	18	8	1,238	218	157
34	5	2	....	....	1	....	2	....	1,162	42	19
35	71	7	8	....	5	....	22	38	82	21	43
36	17	6	17	....	13	....	9	2	822	316	13
37	25	8	18	....	7	....	10	....	743	198	124
38	74	21	48	....	16	....	36	21	1,310	363	674
39	56	13	41	....	34	....	52	12	2,241	1,432	965
40	55	....	33	....	28	....	36	....	3,496	639	675
41	38	14	12	....	3	....	30	14	416	161	116
42	....	....	....	....	....	....	3	1	.....	3	7
43	32	18	....	....	....	....	32	....	105	.....	53
44	36	13	8	2	8	....	32	....	112	81	26
45	1	1	1	....	32	613	....	....	102	140	5
46	98	49	22	....	19	105	33	211	.....	109	57
47	46	24	43	....	27	27	17	....	117	114	53
48	37	9	10	....	....	1,050	23	14	8	140	....
49	7	2	2	....	5	....	....	5	56	30	18
50	38	38	....	....	....	....	38	38	46	53	....
	1,935	539	827	18	639	3,764	1,300	576	48,671	15,340	8,310

THE PUBLIC

I. TABLE A—ATTENDANCE AND PUPILS IN THE

Cities	Attendance: Total number of Pupils Attending School	Attendance: Boys	Attendance: Girls	Attendance: Average Daily Attendance of Pupils	Attendance: Percentage of Actual Aggregate to Possible Aggregate Attendance	Number of Pupils in Kindergarten	Kindergarten-Primary
1 Belleville	1,922	954	968	1,364	90	.....	......
2 Brantford	5,132	2,581	2,551	3,811	92	......	714
3 Chatham	2,342	1,212	1,130	1,587	86	214	207
4 Fort William	3,753	1,894	1,859	2,969	93	196	154
5 Galt	2,435	1,248	1,187	1,879	92	....	200
6 Guelph	2,832	1,382	1,450	2,147	91	191	169
7 Hamilton	20,262	10,201	10,061	15,349	90	1,443	174
8 Kingston	3,308	1,616	1,692	2,364	91	130	202
9 Kitchener	3,242	1,627	1,615	2,457	91	207	163
10 London	10,132	5,069	5,063	7,298	89	886	60
11 Niagara Falls	2,554	1,287	1,267	1,855	88	....	....
12 Ottawa	11,972	5,952	6,020	8,723	88	918	342
13 Owen Sound	2,465	1,235	1,230	1,841	88	252	23
14 Peterborough	3,375	1,728	1,647	2,655	91	110	237
15 Port Arthur	3,118	1,625	1,493	2,244	92	....	....
16 St. Catharines	3,284	1,649	1,635	2,346	89	....	319
17 St. Thomas	2,805	1,454	1,351	1,982	78	47	401
18 Sarnia	2,345	1,183	1,162	1,762	92	....	200
19 Sault Ste. Marie	3,731	1,862	1,869	2,780	90	397	24
20 Stratford	2,708	1,359	1,349	2,124	91	25	227
21 Toronto	87,352	43,654	43,698	63,011	88	8,784	....
22 Welland	1,941	987	954	1,386	90	178	22
23 Windsor	5,508	2,793	2,715	3,358	91	103	963
24 Woodstock	1,564	821	743	1,168	93	....	152
Totals	190,082	95,373	94,709	138,460	88.79	14,081	4,953
Towns							
1 Alexandria	82	31	51	56	86	......	......
2 Alliston	270	132	138	192	93	......	......
3 Almonte	358	188	170	263	92	......	......
4 Amherstburg	278	133	145	209	81	......	......
5 Arnprior	525	266	259	399	89	....	......
6 Aurora	479	254	225	345	94	......	......
7 Aylmer	508	273	235	356	92	35	42
8 Bala	85	34	51	57	81	1	1
9 Barrie	1,418	731	687	1,035	90	23	160
10 Blenheim	319	147	172	252	87	......	41
11 Blind River	170	74	96	103	81	......	......
12 Bonfield	45	22	23	20	79	......	......
13 Bothwell	108	56	52	81	91	......	......
14 Bowmanville	598	312	286	439	82	......	......
15 Bracebridge	578	296	282	437	91	......	......
16 Brampton	829	424	405	657	92	......	......
17 Bridgeburg	425	234	191	318	84	......	66
18 Brockville	1,365	695	670	1,132	96	......	......
19 Bruce Mines	158	82	76	113	84	......	......
20 Burlington	595	291	304	400	87	......	69
21 Cache Bay	174	89	85	110	94	......	......
22 Campbellford	520	257	263	399	73	......	40
23 Capreol	286	142	144	152	68	......	......
24 Carleton Place	750	386	364	583	92	......	......
25 Charlton	87	47	40	52	80	......	......
26 Chesley	344	169	175	258	93	......	......
27 Clinton	341	180	161	260	76	......	......
28 Cobalt	894	455	439	597	89	......	......
29 Cobourg	772	398	374	606	93	38	43
30 Cochrane	384	187	197	252	83	......	......
31 Collingwood	1,235	600	635	1,000	93	94	......
32 Copper Cliff	721	370	351	617	93	47	......

SCHOOLS (Continued)

VARIOUS BRANCHES OF INSTRUCTION (Continued)

	Primer	1st Book	2nd Book	3rd Book	4th Book	Beyond 4th Book	Art	Geography	Music	Literature
1	475	280	425	413	329	....	1,922	1,922	1,922	1,922
2	1,086	798	726	1,152	656	....	5,132	5,132	5,132	5,132
3	286	266	434	543	392	....	2,089	1,553	2,342	2,089
4	772	609	641	756	625	....	3,557	2,022	3,753	3,557
5	522	261	493	489	470	....	2,435	2,082	2,435	2,435
6	462	350	490	597	464	109	2,394	2,178	2,641	2,433
7	3,293	2,820	4,674	4,369	3,151	338	18,984	17,642	19,155	18,734
8	713	436	404	705	718	....	3,254	2,052	2,877	3,254
9	457	424	696	733	562	....	3,242	3,185	3,242	3,105
10	1,415	1,273	2,238	2,123	2,098	39	9,393	8,636	9,421	8,827
11	743	238	502	549	522	....	2,554	2,170	2,554	2,170
12	1,934	1,607	1,492	2,568	2,634	477	10,712	10,712	11,972	10,712
13	364	364	529	525	408	....	2,261	1,466	2,326	1,466
14	709	461	585	643	630	....	3,375	3,028	3,375	3,375
15	673	533	752	587	573	....	3,118	3,118	3,118	3,118
16	586	467	491	814	607	....	3,284	2,379	......	3,284
17	511	212	438	629	567	....	2,485	2,082	2,436	2,284
18	181	356	500	509	599	....	2,345	1,964	2,345	2,345
19	735	536	552	750	737	....	3,334	3,334	3,731	3,334
20	404	359	340	607	746	....	2,708	2,460	2,708	2,708
21	16,265	9,879	15,635	19,377	16,800	612	79,391	74,355	81,220	76,923
22	434	260	353	391	303	....	1,763	1,307	1,941	1,763
23	409	808	840	1,251	1,134	....	5,512	5,175	5,512	5,302
24	220	300	250	305	337	....	1,564	1,182	1,564	892
	33,649	23,897	34,480	41,385	36,062	1,575	176,808	161,136	177,722	171,154
1	28	8	14	20	12	....	82	82	82	82
2	82	52	44	49	43	....	270	188	270	270
3	53	42	82	108	73	....	358	263	358	358
4	96	33	69	38	42	....	278	148	278	278
5	81	94	66	141	143	....	525	346	188	525
6	93	47	114	97	128	....	479	479	479	386
7	53	48	107	91	132	....	462	378	508	431
8	17	7	16	21	14	8	85	68	85	85
9	312	173	249	267	234	....	1,418	1,021	1,021	887
10	41	38	62	41	96	....	319	319	319	319
11	63	19	26	20	42	....	107	107	107	107
12	22	4	8	....	10	1	45	23	45	45
13	42	4	6	33	23	....	66	62	......	62
14	171	76	151	97	103	....	598	598	598	598
15	145	93	116	140	84	....	578	578	......	578
16	151	129	192	209	148	....	829	549	829	678
17	89	4	62	68	92	....	425	235	425	425
18	359	190	171	312	333	....	1,365	1,365	1,365	1,365
19	37	25	29	41	26	....	158	121	158	158
20	109	58	122	91	146	....	595	595	......	578
21	33	39	26	46	30	....	174	174	174	174
22	53	88	120	97	122	....	427	427	......	339
23	112	40	52	64	17	1	286	286	286	174
24	191	102	132	191	134	....	559	559	750	559
25	35	8	10	15	18	1	87	87	87	44
26	49	48	96	65	86	....	344	295	344	344
27	50	56	58	85	92	....	341	291	341	341
28	275	86	235	125	173	....	894	894	894	894
29	164	113	165	143	106	....	691	527	691	527
30	87	100	82	74	41	....	297	197	......	384
31	218	192	257	241	233	....	1,123	953	886	999
32	176	97	156	80	165	....	674	498	721	498

THE PUBLIC

I. TABLE A—ATTENDANCE AND PUPILS IN THE

Cities	Composition	Grammar	English History	Canadian History	Physiology and Hygiene	Nature Study	Physical Culture
1 Belleville	1,922	742	742	742	1,922	1,922	1,922
2 Brantford	5,132	656	839	1,263	5,132	5,132	5,132
3 Chatham	2,089	392	941	911	1,809	2,089	2,342
4 Fort William	3,557	625	1,381	1,381	3,557	3,557	3,557
5 Galt	2,435	470	281	890	2,435	2,435	890
6 Guelph	2,338	814	1,080	1,354	1,914	2,434	2,690
7 Hamilton	18,786	3,847	6,919	10,746	18,582	18,534	20,250
8 Kingston	3,254	718	781	1,064	3,254	3,254	3,254
9 Kitchener	3,185	574	2,560	2,881	3,141	3,185	3,185
10 London	9,060	2,299	4,610	5,824	9,196	9,367	9,492
11 Niagara Falls	2,123	972	745	1,106	2,554	2,554	2,554
12 Ottawa	10,712	1,941	3,266	3,276	10,712	10,712	10,712
13 Owen Sound	1,466	409	667	886	2,218	2,218	2,402
14 Peterborough	3,375	630	1,858	1,858	3,375	3,375	3,375
15 Port Arthur	3,118	573	550	573	3,118	3,118	3,118
16 St. Catharines	3,284	607	607	1,140	1,140	3,284	3,284
17 St. Thomas	1,889	647	801	918	2,179	2,125	2,252
18 Sarnia	2,345	599	1,608	1,608	2,345	2,345	2,345
19 Sault Ste. Marie	2,357	737	943	794	3,675	3,675	3,675
20 Stratford	2,708	1,174	853	1,145	2,658	2,708	2,708
21 Toronto	76,997	25,400	27,071	37,288	76,671	78,332	81,197
22 Welland	1,763	694	694	694	1,307	1,941	1,941
23 Windsor	5,302	1,146	2,792	2,866	5,109	5,194	5,512
24 Woodstock	892	337	148	337	892	892	1,564
Totals	170,089	47,003	62,737	81,545	168,895	174,382	179,353
Towns.							
1 Alexandria	82	12	54	54	82	82	82
2 Alliston	270	43	86	115	270	270	270
3 Almonte	263	73	107	147	358	358	358
4 Amherstburg	278	80	62	62	278	278	278
5 Arnprior	525	143	274	265	525	525	525
6 Aurora	479	128	128	225	479	479	479
7 Aylmer	431	331	92	94	508	508	508
8 Bala	85	43	68	52	85	43	43
9 Barrie	887	510	257	510	782	879	1,418
10 Blenheim	278	96	97	137	199	278	319
11 Blind River	107	62	26	36	132	132	170
12 Bonfield	45	11	19	22	45	45	45
13 Bothwell	66	23	56	56	62	62	108
14 Bowmanville	598	103	200	200	598	598	598
15 Bracebridge	578	147	147	224	578	578	578
16 Brampton	678	148	95	148	549	678	829
17 Bridgeburg	425	144	182	183	196	425	425
18 Brockville	1,365	429	1,365	1,365	1,365	1,365	1,365
19 Bruce Mines	158	44	71	103	121	121	121
20 Burlington	538	146	168	273	595	538	595
21 Cache Bay	174	30	53	53	174	174	174
22 Campbellford	339	219	219	219	219	......	219
23 Capreol	134	18	18	82	174	174	286
24 Carleton Place	559	134	134	191	559	559	750
25 Charlton	87	19	62	62	87	87	87
26 Chesley	344	86	244	235	344	344	344
27 Clinton	341	92	104	73	341	341	341
28 Cobalt	894	173	116	894	894	894	894
29 Cobourg	691	106	94	155	527	691	691
30 Cochrane	297	41	115	115	384	384	384
31 Collingwood	1,030	369	305	781	1,081	1,076	1,123
32 Copper Cliff	498	165	90	245	245	498	721

SCHOOLS (Continued)

VARIOUS BRANCHES OF INSTRUCTION (Continued)

	Bookkeeping	Arithmetic and Mensuration	Algebra	Geometry	Latin	German	French (beyond 4th Book)	French (Primer to 4th Book inclusive)	Elementary Science	Commercial Subjects	Agriculture	Manual Training	Household Science
1	....	....	....	....	....	..	....	....	....	....	....	1,493	189
2	....	....	....	....	....	..	....	....	....	....	1,002	576	587
3	....	....	....	....	....	..	....	....	....	....	....	1,188	676
4	....	....	....	....	....	..	....	....	....	....	152	330	393
5	....	....	....	....	....	..	....	....	....	....	289	225	214
6	107	107	....	....	....	..	....	....	....	107	51	470	534
7	338	338	206	121	18	..	43	....	43	332	....	2,476	3,272
8	....	....	....	....	....	..	....	....	....	....	....	2,957	538
9	....	....	....	....	....	..	....	....	....	....	41	2,362	2,119
10	....	....	38	....	38	..	2	....	38	....	1,283	1,722	1,685
11	....	....	....	....	....	..	....	....	....	....	40	....	....
12	260	477	....	....	....	..	....	....	217	477	1,528	3,088	3,868
13	....	....	....	....	....	..	....	....	....	....	97	441	494
14	....	....	....	....	....	..	....	....	....	....	216	282	304
15	....	....	....	....	....	..	....	....	....	....	127	164	186
16	....	....	....	....	....	..	....	....	....	....	....	333	....
17	....	....	....	....	....	..	....	....	....	....	880	1,242	509
18	....	....	....	....	....	..	....	....	....	....	....	1,869	1,896
19	....	....	....	....	....	..	....	....	....	....	122	1,862	1,869
20	....	....	....	....	....	..	....	....	....	....	286	745	526
21	1,060	1,898	563	273	....	..	192	....	330	612	943	70,687	39,518
22	....	....	....	....	....	..	....	....	....	....	....	....	....
23	....	....	....	....	....	..	....	....	....	....	497	2,633	2,608
24	....	....	....	....	....	..	....	....	....	....	....	150	301
	1,765	2,820	807	394	56	..	237	....	628	1,528	7,554	97,295	62,286
1	....	....	....	....	....	..	....	....	....	....	36	46	....
2	....	....	....	....	....	..	....	....	....	....	....	....	....
3	....	....	....	....	....	..	....	....	....	....	....	....	....
4	....	....	....	....	....	..	....	....	....	....	....	....	....
5	....	....	....	....	....	..	....	....	....	....	....	....	....
6	....	....	....	....	....	..	....	....	....	....	....	....	....
7	....	....	....	....	....	..	....	....	....	....	132	101	101
8	....	3	5	....	....	..	....	....	5	....	....	....	....
9	....	....	....	....	....	..	....	....	....	....	....	....	....
10	....	....	....	....	....	..	....	....	....	....	....	....	....
11	....	....	....	....	....	..	....	....	....	....	....	....	....
12	....	1	....	....	....	..	....	....	1	....	11	45	....
13	....	....	....	....	....	..	....	....	....	....	....	....	....
14	64	....	....	....	....	..	....	....	....	....	....	....	....
15	....	....	....	....	....	..	....	....	....	....	....	....	....
16	....	....	....	....	....	..	....	....	....	....	....	....	....
17	....	....	....	....	....	..	....	....	....	....	....	....	....
18	....	....	....	....	....	..	....	....	....	....	296	405	384
19	....	....	....	....	....	..	....	....	....	....	....	....	....
20	....	....	....	....	....	..	....	....	....	....	....	....	....
21	....	....	....	....	....	..	....	....	....	....	....	....	....
22	....	....	....	....	....	..	....	....	....	....	....	....	339
23	18	1	1	....	....	..	....	....	....	....	....	....	....
24	....	....	....	....	....	..	....	....	....	....	....	....	....
25	....	....	....	....	....	..	....	....	1	....	....	....	....
26	....	....	....	....	....	..	....	....	....	....	....	40	38
27	....	....	....	....	....	..	....	....	....	....	....	....	....
28	....	....	....	....	....	..	....	....	....	....	....	894	....
29	....	....	....	....	....	..	....	....	....	....	....	....	....
30	....	....	....	....	....	..	....	....	....	....	....	....	....
31	....	....	....	....	....	..	....	....	....	....	....	261	304
32	....	....	....	....	....	..	....	....	....	....	....	....	....

THE PUBLIC

I. TABLE A—ATTENDANCE AND PUPILS IN THE

Towns	Attendance					Number of Pupils in Kindergarten	Kindergarten-Primary
	Total number of Pupils Attending School	Boys	Girls	Average Daily Attendance of Pupils	Percentage of Actual Aggregate to Possible Aggregate Attendance		
33 Cornwall	613	309	304	463	93	......	......
34 Deseronto	413	215	198	274	84	......	......
35 Dresden	280	138	142	206	91	......	50
36 Dryden	314	156	158	208	87	......	35
37 Dundas	886	429	457	700	93	......	113
38 Dunnville	587	299	288	354	86	......	47
39 Durham	331	175	156	254	92	......	......
40 Eastview	501	253	248	322	85	......	78
41 Englehart	226	107	119	123	73	......	55
42 Essex	341	180	161	226	84	......	......
43 Ford	450	214	236	299	96	......	93
44 Forest	246	128	118	165	96	......	......
45 Fort Frances	507	261	246	356	86	......	60
46 Gananoque	700	348	352	469	89	......	......
47 Goderich	687	347	340	508	86	19	19
48 Gore Bay	152	75	77	118	93	......	......
49 Gravenhurst	402	193	209	282	86	......	......
50 Grimsby	400	209	191	272	88	......	46
51 Haileybury	592	305	287	406	88	......	......
52 Hanover	534	271	263	408	91	......	30
53 Harriston	256	125	131	204	86	......	......
54 Hawkesbury	162	76	86	109	84	......	......
55 Hespeler	563	273	290	419	86	......	58
56 Huntsville	502	260	242	389	87	......	......
57 Ingersoll	949	487	462	683	88	84	......
58 Iroquois Falls	445	214	231	229	85	51	36
59 Kearney	116	56	60	78	81	......	12
60 Keewatin	283	143	140	218	77	......	......
61 Kenora	1,019	515	504	738	72	......	......
62 Kincardine	304	179	125	259	92	......	......
63 Kingsville	452	227	225	307	91	......	36
64 Latchford	99	61	38	68	59	......	......
65 Leamington	660	292	368	518	90	......	......
66 Leaside	72	37	35	49	69	......	......
67 Lindsay	1,247	611	636	934	90	......	......
68 Listowel	354	188	166	311	89	......	41
69 Little Current	206	100	106	132	80	......	......
70 Massey	89	53	36	80	89	......	......
71 Matheson	117	57	60	93	95	......	......
72 Mattawa	54	25	29	32	83	......	......
73 Meaford	548	275	273	409	89	......	......
74 Merritton	330	145	185	267	81	......	27
75 Midland	1,614	811	803	1,243	81	......	......
76 Milton	473	223	250	339	92	......	......
77 Mimico	829	419	410	601	86	......	......
78 Mitchell	265	142	123	196	86	......	......
79 Mount Forest	236	128	108	174	93	......	......
80 Napanee	544	265	279	400	87	......	......
81 New Liskeard	557	260	297	389	87	......	......
82 Newmarket	749	361	388	556	92	......	......
83 New Toronto	591	299	292	361	92	......	......
84 Niagara	221	111	110	157	87	......	......
85 North Bay	1,513	790	723	1,174	91	58	39
86 Oakville	642	333	309	455	88	......	......
87 Orangeville	412	215	197	311	91	......	......
88 Orillia	1,414	708	706	1,105	93	......	......
89 Oshawa	2,134	1,097	1,037	1,612	90	......	......
90 Palmerston	249	131	118	208	84	9	18
91 Paris	747	387	360	575	93	......	......
92 Parkhill	159	89	70	109	84	......	......

SCHOOLS (Continued)

VARIOUS BRANCHES OF INSTRUCTION (Continued)

	Primer	1st Book	2nd Book	3rd Book	4th Book	Beyond 4th Book	Art	Geography	Music	Literature
33	137	82	109	115	170	....	613	613	613	613
34	98	63	101	74	77	....	413	413	413	344
35	32	42	46	47	63	....	280	198	......	198
36	59	56	54	42	68	....	314	314	314	314
37	109	117	149	183	215	....	886	547	886	773
38	108	111	121	107	93	....	587	432	......	432
39	90	78	58	45	60	....	331	241	331	241
40	108	78	112	69	56	....	501	359	501	460
41	48	28	48	24	23	....	226	158	226	158
42	126	54	51	81	29	....	341	215	341	341
43	76	86	69	72	54	....	450	281	450	281
44	31	39	43	60	73	....	246	215	246	246
45	87	54	104	91	111	....	507	447	409	349
46	154	93	143	164	146	....	700	546	633	700
47	124	56	150	139	180	....	687	687	687	687
48	29	19	24	39	41	....	152	152	152	152
49	90	59	77	94	82	....	391	382	391	391
50	51	22	93	121	67	....	356	400	333	400
51	159	64	134	143	92	....	592	384	592	369
52	54	80	118	133	119	....	534	534	534	534
53	33	47	53	57	66	....	223	176	47	223
54	30	23	43	34	32	....	162	132	162	162
55	103	69	126	116	91	....	563	563	563	563
56	128	78	117	98	81	....	502	395	......	426
57	153	126	135	231	220	....	865	865	......	865
58	105	95	73	28	57	....	445	253	445	445
59	21	6	15	36	16	10	116	83	116	116
60	56	36	41	78	72	....	283	227	283	283
61	248	147	184	203	237	....	1,019	1,019	1,019	1,019
62	62	49	65	61	67	....	304	304	304	304
63	66	64	86	88	94	18	452	286	452	286
64	36	10	24	12	17	....	99	73	99	99
65	122	93	126	182	137	....	660	660	660	660
66	30	......	13	16	13	....	72	42	72	42
67	260	170	289	267	261	....	1,247	987	1,247	987
68	41	46	52	97	7	....	354	272	354	354
69	39	37	40	40	50	....	206	167	206	206
70	27	9	11	16	26	....	89	89	89	89
71	47	13	31	19	7	....	117	26	117	26
72	14	8	2	20	10	....	41	25	41	25
73	100	108	66	143	131	....	548	448	468	548
74	65	32	73	79	54	....	330	238	330	330
75	394	225	400	347	248	....	1,614	1,614	1,614	1,614
76	109	55	114	107	88	....	473	364	473	473
77	185	141	146	197	160	....	829	644	829	644
78	48	29	33	66	89	....	265	188	188	188
79	40	31	46	51	68	....	236	236	236	236
80	129	79	98	115	123	....	544	544	544	544
81	120	113	100	99	125	....	557	437	557	557
82	210	79	131	186	143	....	749	450	749	749
83	194	91	111	130	65	....	591	397	591	591
84	38	39	44	53	47	....	221	221	......	221
85	292	213	252	291	368	....	1,455	1,119	1,455	1,455
86	139	77	147	139	140	....	642	503	642	445
87	94	73	66	88	91	....	412	318	412	412
88	299	205	333	288	289	....	1,414	1,115	1,414	1,414
89	539	354	365	481	395	....	2,134	1,472	2,134	1,554
90	17	36	40	83	46	....	249	249	249	249
91	133	111	96	212	195	....	747	747	747	747
92	39	18	32	32	38	....	120	159	159	159

THE PUBLIC

I. TABLE A—ATTENDANCE AND PUPILS IN THE

Towns	Composition	Grammar	English History	Canadian History	Physiology and Hygiene	Nature Study	Physical Culture
33 Cornwall	613	170	128	219	613	613	613
34 Deseronto	413	77	92	123	413	413	413
35 Dresden	156	63	38	110	280	280	280
36 Dryden	314	68	81	88	314	314	314
37 Dundas	773	290	290	398	886	886	886
38 Dunnville	432	93	126	137	587	587	587
39 Durham	105	105	60	105	241	241	331
40 Eastview	460	56	237	226	501	501	501
41 Englehart	158	47	47	158	226	226	226
42 Essex	341	110	29	161	341	341	341
43 Ford	281	100	126	126	450	450	450
44 Forest	246	73	176	176	246	246	246
45 Fort Frances	447	111	111	202	447	447	507
46 Gananoque	700	146	453	453	700	700	700
47 Goderich	687	319	319	319	687	687	687
48 Gore Bay	152	41	67	61	152	152	152
49 Gravenhurst	391	82	154	179	345	345	345
50 Grimsby	380	67	112	153	400	400	333
51 Haileybury	433	92	145	369	592	487	592
52 Hanover	450	188	254	311	534	534	533
53 Harriston	256	123	123	123	72	223	47
54 Hawkesbury	162	32	109	109	162	162	162
55 Hespeler	563	207	207	207	333	356	563
56 Huntsville	457	81	179	269	394	502	502
57 Ingersoll	865	220	451	586	949	949	949
58 Iroquois Falls	445	57	101	155	358	445	445
59 Kearney	116	26	83	83	116	116	116
60 Keewatin	227	72	111	111	283	283	283
61 Kenora	1,019	237	440	440	1,019	1,019	1,019
62 Kincardine	304	67	107	259	304	304	304
63 Kingsville	350	200	145	119	452	350	452
64 Latchford	99	18	22	42	99	99	99
65 Leamington	660	319	159	160	660	660	660
66 Leaside	42	13	21	29	42	42	72
67 Lindsay	1,247	261	528	528	1,247	987	1,247
68 Listowel	270	174	84	77	174	313	354
69 Little Current	167	50	90	90	167	167	167
70 Massey	89	26	34	53	89	89	89
71 Matheson	70	26	6	26	26	70	91
72 Mattawa	25	25	25	25	41	41	41
73 Meaford	548	131	268	337	548	548	548
74 Merritton	330	54	98	99	330	330	330
75 Midland	1,614	248	950	1,512	1,614	1,614	1,614
76 Milton	473	195	195	202	473	473	473
77 Mimico	644	199	503	599	599	829	829
78 Mitchell	265	155	89	155	155	265	265
79 Mount Forest	236	68	119	119	236	236	236
80 Napanee	544	123	74	123	544	544	544
81 New Liskeard	489	125	249	373	489	489	557
82 Newmarket	749	143	185	144	450	749	749
83 New Toronto	591	65	43	22	195	591	591
84 Niagara	221	47	62	63	221	221	221
85 North Bay	1,455	368	347	491	1,455	1,455	1,455
86 Oakville	445	140	141	294	503	503	642
87 Orangeville	363	91	137	133	412	412	412
88 Orillia	1,414	289	576	725	1,414	1,414	1,414
89 Oshawa	1,617	395	863	1,001	1,549	1,642	2,134
90 Palmerston	249	169	129	129	249	249	249
91 Paris	747	195	747	747	747	747	747
92 Parkhill	159	38	22	38	159	102	159

SCHOOLS (Continued)

VARIOUS BRANCHES OF INSTRUCTION (Continued)

	Bookkeeping	Arithmetic and Mensuration	Algebra	Geometry	Latin	German	French (beyond 4th Book)	French (Primer to 4th Book inclusive)	Elementary Science	Commercial Subjects	Agriculture	Manual Training	Household Science
33	....	....	....	....	....	..	....	....	....	....	....	100	72
34	....	....	....	....	....	..	....	....	....	....	....	262	....
35	....	....	....	....	....	..	....	....	....	....	....	....	....
36	....	....	....	....	....	..	....	....	....	....	....	....	....
37	....	....	....	....	....	..	....	....	....	....	290	....	....
38	....	....	....	....	....	..	....	....	....	....	....	....	....
39	....	....	....	....	....	..	....	....	....	....	....	....	....
40	....	....	....	....	....	..	....	....	....	....	....	....	....
41	....	....	....	....	....	..	....	....	....	....	36	131	....
42	....	....	....	....	....	..	....	....	....	....	....	....	....
43	....	....	....	....	....	..	....	....	....	....	....	....	....
44	....	....	....	....	....	..	....	....	....	....	....	....	....
45	....	....	....	....	....	..	....	....	....	....	....	....	....
46	....	....	....	....	....	..	....	....	....	....	....	....	....
47	....	....	....	....	....	..	....	....	....	....	....	....	....
48	....	....	....	....	....	..	....	....	....	....	....	....	....
49	....	....	....	....	....	..	....	....	....	....	....	....	....
50	....	....	....	....	....	..	....	....	....	....	....	....	....
51	....	....	....	....	....	..	....	....	....	....	....	....	....
52	....	....	....	....	....	..	....	....	....	....	....	....	....
53	....	....	....	....	....	..	....	....	....	....	....	....	....
54	....	....	....	....	....	..	....	....	....	....	....	....	....
55	....	....	....	....	....	..	....	....	....	....	....	....	....
56	....	....	....	....	....	..	....	....	....	....	....	....	....
57	....	....	....	....	....	..	....	....	....	....	....	....	....
58	....	....	....	....	....	..	....	....	....	....	....	211	9
59	10	10	10	1	10	..	10	....	10	....	....	....	....
60	....	....	....	....	....	..	....	....	....	....	....	....	....
61	....	....	....	....	....	..	....	....	....	....	....	....	....
62	....	....	....	....	....	..	....	....	....	....	....	127	....
63	....	18	18	....	18	..	18	18	18	....	18	....	....
64	....	....	....	....	....	..	....	....	....	....	....	....	....
65	....	....	....	....	....	..	....	....	....	....	....	....	....
66	....	....	....	....	....	..	....	....	....	....	....	....	....
67	....	....	....	....	....	..	....	....	....	....	....	....	....
68	....	....	....	....	....	..	....	....	....	....	174	235	....
69	....	....	....	....	....	..	....	....	....	....	....	....	....
70	....	....	....	....	....	..	....	....	....	....	....	....	....
71	....	....	....	....	....	..	....	....	....	....	....	....	....
72	....	....	....	....	....	..	....	....	....	....	41	....	....
73	....	....	....	....	....	..	....	....	....	....	....	....	....
74	....	....	....	....	....	..	....	....	....	....	135	....	....
75	....	....	....	....	....	..	....	....	....	....	....	....	....
76	....	....	....	....	....	..	....	....	....	....	144	....	....
77	....	....	....	....	....	..	....	....	....	....	....	....	....
78	....	....	....	....	....	..	....	....	....	....	120	265	....
79	....	....	....	....	....	..	....	....	....	....	....	....	....
80	....	....	....	....	....	..	....	....	....	....	....	....	....
81	....	....	....	....	....	..	....	....	....	....	....	....	....
82	....	....	....	....	....	..	....	....	....	....	143	....	....
83	....	....	....	....	....	..	....	....	....	....	195	....	....
84	....	....	....	....	....	..	....	....	....	....	....	....	....
85	....	....	....	....	....	..	....	....	....	....	....	....	....
86	....	....	....	....	....	..	....	....	....	....	....	....	....
87	....	....	....	....	....	..	....	....	....	....	....	....	....
88	....	....	....	....	....	..	....	....	....	....	....	....	....
89	....	....	....	....	....	..	....	....	....	....	....	....	....
90	....	....	....	....	....	..	....	....	....	....	....	....	....
91	....	....	....	....	....	..	....	....	....	....	....	....	....
92	....	....	....	....	....	..	....	....	....	....	....	....	....

THE PUBLIC

I. TABLE A—ATTENDANCE AND PUPILS IN THE

Towns	Attendance					Number of Pupils in Kindergarten	Kindergarten-Primary
	Total number of Pupils attending School	Boys	Girls	Average Daily Attendance of Pupils	Percentage of Actual Aggregate to Possible Aggregate Attendance		
93 Parry Sound	1,024	512	512	689	67	......	......
94 Pembroke	977	526	451	751	90	148	......
95*Penetanguishene	999	493	506	708	90	......	......
96 Perth	456	220	236	387	85	......	......
97 Petrolia	548	280	268	404	74	......	......
98 Picton	517	243	274	382	95	41	29
99 Port Colborne	859	452	407	556	88	......	51
100 Port Hope	845	416	429	651	92	......	......
101 Powassan	170	64	106	117	89	......	......
102 Prescott	382	197	185	247	89	......	53
103 Preston	903	450	453	690	91	......	50
104 Rainy River	392	199	193	261	82	......	......
105 Renfrew	564	292	272	419	90	21	28
106 Ridgetown	351	167	184	235	92	......	71
107 Rockland	62	40	22	44	80	......	......
108 St. Mary's	646	319	327	484	91	......	......
109 Sandwich	593	313	280	396	91	......	......
110 Seaforth	246	118	128	190	85	35	......
111 Simcoe	747	393	354	568	90	......	65
112 Sioux Lookout	234	114	120	183	85	......	......
113 Smith's Falls	1,225	634	591	937	86	......	......
114 Southampton	358	192	166	264	90	......	......
115 Stayner	221	114	107	144	90	......	......
116 Strathroy	450	220	230	328	90	......	......
117 Sturgeon Falls	229	124	105	150	71	......	......
118 Sudbury	1,097	559	538	868	93	......	......
119 Thessalon	451	210	241	302	75	......	......
120 Thornbury	171	80	91	125	73	......	......
121 Thorold	517	253	264	389	75	......	......
122 Tilbury	148	72	76	103	88	......	18
123 Tillsonburg	614	325	289	438	87	41	......
124 Timmins	510	242	268	272	92	......	110
125 Trenton	1,168	610	558	809	92	......	......
126 Trout Creek	105	56	49	69	87	......	......
127 Uxbridge	215	98	117	177	89	......	......
128 Vankleek Hill	145	71	74	102	83	......	......
129 Walkerton	281	145	136	206	94	......	......
130 Walkerville	1,320	665	655	931	95	......	118
131 Wallaceburg	721	370	351	499	84	......	......
132 Waterloo	882	433	449	655	89	65	32
133 Webbwood	143	80	63	109	85	......	......
134 Weston	818	433	385	585	92	......	......
135 Whitby	462	237	225	352	96	22	20
136 Wiarton	423	215	208	309	89	......	......
137 Wingham	424	196	228	277	66	35	......
Totals	71,652	36,177	35,475	52,416	87.59	867	2,000
1 Rural Schools	215,585	111,296	104,289	137,605	83.19	......	1,724
2 Cities	190,082	95,373	94,709	138,460	88.79	14,081	4,953
3 Towns	71,652	36,177	35,475	52,416	87.59	867	2,000
4 Villages	23,917	11,956	11,961	17,265	87.24	......	268
5 Grand Totals, 1921	501,236	254,802	246,434	345,746	86.23	14,948	8,945
6 Grand Totals, 1920	488,091	247,153	240,938	310,029	......	16,529	6,896
7 Increases	13,145	7,649	5,496	35,717	......	......	2,049
8 Decreases	......	......	......	......	......	1,581	......
9 Percentages	......	50.83	49.16	68.97	......	2.98	1.78

*Including Protestant Separate School.

SCHOOLS (Continued)

VARIOUS BRANCHES OF INSTRUCTION (Continued)

	Primer	1st Book	2nd Book	3rd Book	4th Book	Beyond 4th Book	Art	Geography	Music	Literature
93	260	179	193	215	177	....	1,024	764	1,024	1,024
94	129	99	158	206	187	....	829	829	977	829
95	215	174	223	182	205	....	999	774	354	880
96	84	49	111	114	98	....	456	372	456	456
97	151	78	77	149	93	....	548	397	548	397
98	72	63	119	91	102	....	447	473	473	473
99	226	127	130	178	147	....	587	587	859	587
100	216	122	151	192	164	....	845	645	845	845
101	53	16	23	43	35	....	170	117	170	170
102	54	45	51	75	104	....	382	329	382	329
103	177	83	227	180	186	....	903	593	903	593
104	138	39	40	82	57	36	392	215	......	215
105	60	50	102	149	154	....	543	455	564	43
106	38	39	76	48	79	....	351	351	......	351
107	14	6	4	21	17	....	62	48	62	62
108	146	90	80	165	165	....	646	420	646	646
109	145	115	86	145	102	....	593	593	593	593
110	36	34	34	66	41	....	224	198	246	162
111	93	113	195	147	134	....	747	679	747	679
112	76	58	27	42	31	....	234	158	234	158
113	337	189	223	205	271	....	1,225	1,009	1,225	1,225
114	84	76	73	69	56	....	358	274	358	358
115	33	24	43	58	63	....	221	164	221	221
116	91	63	119	84	93	....	450	337	450	450
117	58	35	46	51	39	....	229	171	......	229
118	282	219	192	234	170	....	1,097	1,097	1,097	1,097
119	111	52	95	95	98	....	451	340	451	340
120	43	11	28	35	54	....	171	127	171	117
121	170	58	97	106	86	....	517	334	517	289
122	22	14	35	27	32	....	148	148	148	148
123	138	82	104	146	103	....	573	573	......	573
124	88	78	89	71	74	....	400	234	234	234
125	269	202	278	201	218	....	1,168	949	1,168	1,168
126	29	11	18	20	25	2	105	98	105	105
127	54	28	49	60	24	....	215	161	215	161
128	37	7	27	30	44	....	145	145	145	145
129	74	42	56	53	56	....	281	207	281	281
130	235	193	156	216	402	....	1,320	1,089	1,320	1,320
131	176	115	101	162	167	....	645	430	721	430
132	134	89	183	193	186	....	817	817	817	817
133	52	10	35	17	26	3	143	91	143	143
134	152	85	152	183	246	....	666	581	818	581
135	68	73	88	97	94	....	440	3 2	462	420
136	86	55	94	111	77	....	423	423	423	423
137	55	59	62	92	121	....	389	275	424	389
	15,373	10,122	13,668	14,945	14,597	80	70,187	58,578	62,405	63,441
1	52,706	29,078	40,993	44,274	43,550	3,260	206,595	163,317	165,812	185,553
2	33,649	23,897	34,480	41,385	36,062	1,575	176,808	161,136	177,722	171,154
3	15,373	10,122	13,668	14,945	14,597	80	70,187	58,578	62,405	63,441
4	5,135	3,457	4,572	4,973	5,292	220	23,533	19,891	20,006	20,762
5	106,863	66,554	93,713	105,577	99,501	5,135	477,123	402,922	425,945	440,910
6	109,557	64,267	92,949	100,900	92,913	4,080	459,032	388,737	404,644	424,522
7	......	2,287	764	4,677	6,588	1,055	18,091	14,185	21,301	16,388
8	2,694	......	......	......	......	....	......	......	......	......
9	21.31	13.27	18.69	21.06	19.85	1.02	95.18	80.38	84.97	87.96

THE PUBLIC

I. TABLE A—ATTENDANCE AND PUPILS IN THE

Towns	Composition	Grammar	English History	Canadian History	Physiology and Hygiene	Nature Study	Physical Culture
93 Parry Sound	764	392	392	392	1,024	1,024	1,024
94 Pembroke	829	187	307	273	829	829	977
95*Penetanguishene	880	377	201	345	999	999	999
96 Perth	456	98	140	277	277	456	456
97 Petrolia	397	93	176	176	397	548	548
98 Picton	447	102	216	337	447	473	447
99 Port Colborne	587	315	140	175	315	587	859
100 Port Hope	845	356	176	272	356	845	845
101 Powassan	170	92	117	117	170	170	170
102 Prescott	329	104	65	187	187	329	382
103 Preston	808	366	429	543	808	808	903
104 Rainy River	215	93	101	136	148	40	254
105 Renfrew	543	154	151	303	564	455	564
106 Ridgetown	351	79	60	57	351	351	351
107 Rockland	62	45	42	42	62	62	62
108 St. Mary's	646	420	165	165	646	646	646
109 Sandwich	593	138	77	296	416	416	593
110 Seaforth	198	90	162	90	198	224	246
111 Simcoe	747	134	429	568	679	747	747
112 Sioux Lookout	158	31	158	158	234	234	234
113 Smith's Falls	1,225	317	511	699	1,225	1,225	1,225
114 Southampton	358	56	59	60	358	358	358
115 Stayner	164	63	93	121	164	221	221
116 Strathroy	450	177	136	177	402	361	402
117 Sturgeon Falls	229	39	90	136	171	171	229
118 Sudbury	1,097	170	1,097	1,097	1,097	1,097	1,097
119 Thessalon	340	98	68	98	193	451	451
120 Thornbury	117	54	75	75	128	128	171
121 Thorold	517	270	192	192	517	517	517
122 Tilbury	148	32	108	108	148	148	148
123 Tillsonburg	573	103	156	158	614	614	614
124 Timmins	234	106	74	106	234	234	234
125 Trenton	1,168	458	451	650	1,168	1,168	1,168
126 Trout Creek	50	19	23	15	105	38	105
127 Uxbridge	161	24	84	133	215	215	215
128 Vankleek Hill	145	44	74	91	145	145	145
129 Walkerton	281	56	91	127	281	207	281
130 Walkerville	1,320	402	429	933	1,320	1,320	1,320
131 Wallaceburg	430	167	167	329	329	430	721
132 Waterloo	882	379	379	379	817	817	882
133 Webbwood	143	29	69	78	88	88	91
134 Weston	581	246	166	80	581	818	818
135 Whitby	352	94	191	191	352	352	462
136 Wiarton	423	77	282	282	423	423	423
137 Wingham	389	213	213	213	213	275	424
Totals	63,844	19,297	25,957	33,684	61,515	64,968	70,025
1 Rural Schools	183,460	58,701	77,917	91,923	178,718	186,164	204,899
2 Cities	170,089	47,003	62,737	81,545	168,895	174,382	179,353
3 Towns	63,844	19,297	25,957	33,684	61,515	64,968	70,025
4 Villages	21,456	7,479	9,954	12,310	20,814	21,657	22,172
5 Grand Totals, 1921	438,849	132,480	176,565	219,462	429,942	447,171	476,449
6 Grand Totals, 1920	424,005	123,250	174,859	216,013	414,613	438,804	463,479
7 Increases	14,844	9,230	1,706	3,449	15,329	8,367	12,970
8 Decreases	......	......	......	......	......	......	......
9 Percentages	87.55	26.43	35.22	43.78	85.77	89.21	95.05

*Including Protestant Separate School.

SCHOOLS (Continued)

VARIOUS BRANCHES OF INSTRUCTION (Concluded)

	Bookkeeping	Arithmetic and Mensuration	Algebra	Geometry	Latin	German	French (beyond 4th Book)	French (Primer to 4th Book inclusive)	Elementary Science	Commercial Subjects	Agriculture	Manual Training	Household Science
93	....	....	....	....	....	..	....	....	....	....	....	....	....
94	....	....	....	....	....	..	....	....	....	....	393	447	348
95	....	....	....	....	....	..	....	....	....	....	48	....	....
96	....	....	....	....	....	..	....	....	....	....	....	....	....
97	....	....	....	....	....	..	....	....	....	....	....	....	....
98	....	....	....	....	....	..	....	....	....	....	193	317	....
99	....	....	....	....	....	..	....	....	....	....	....	....	....
100	....	....	....	....	....	..	....	....	....	....	....	....	....
101	....	....	....	....	....	..	....	....	....	....	....	....	....
102	....	....	....	....	....	..	....	....	....	....	187	....	....
103	....	....	....	....	....	..	....	....	....	....	....	....	....
104	36	36	36	36	....	..	....	....	36	....	139	....	....
105	....	....	....	....	....	..	....	....	....	....	122	....	....
106	....	....	....	....	....	..	....	....	....	....	....	....	....
107	....	....	....	....	....	..	....	....	....	....	....	....	....
108	....	....	....	....	....	..	....	....	....	....	196	....	....
109	....	....	....	....	....	..	....	....	....	....	....	....	....
110	....	....	....	....	....	..	....	....	....	....	....	....	....
111	87	....	....	....	....	..	....	....	....	....	....	628	....
112	....	....	....	....	....	..	....	....	....	....	....	....	....
113	....	....	....	....	....	..	....	....	....	....	....	128	133
114	....	....	....	....	....	..	....	....	....	....	67	....	....
115	....	....	....	....	....	..	....	....	....	....	....	....	....
116	93	....	....	....	....	..	....	....	....	....	41	....	....
117	....	....	....	....	....	..	....	....	....	....	....	....	....
118	....	....	....	....	....	..	....	....	....	....	....	....	....
119	....	....	....	....	....	..	....	....	....	....	....	....	....
120	....	....	....	....	....	..	....	....	....	....	....	....	....
121	....	....	....	....	....	..	....	....	....	....	....	....	....
122	....	....	....	....	....	..	....	....	....	....	....	....	....
133	....	....	....	....	....	..	....	....	....	....	....	....	....
124	....	....	....	....	....	..	....	....	....	....	....	....	....
125	....	....	....	....	....	..	....	....	....	....	....	....	....
126	2	2	2	....	....	..	....	....	2	2	....	....	....
127	....	....	....	....	....	..	....	....	....	....	....	....	....
128	....	....	....	....	....	..	....	....	....	....	....	....	....
129	....	....	....	....	....	..	....	....	....	....	....	....	....
130	....	....	....	....	....	..	....	....	....	....	....	1,013	307
131	....	....	....	....	....	..	....	....	....	....	284	....	....
132	....	....	....	....	....	..	....	....	....	....	194	....	....
133	....	3	3	....	3	3	3	....	3	....	46	....	....
134	....	....	....	....	....	..	....	....	....	....	....	....	....
135	....	....	....	....	....	..	....	....	....	....	191	....	....
136	....	....	....	....	....	..	....	....	....	....	188	....	....
137	....	....	....	....	....	..	....	....	....	....	....	....	....
	310	74	75	37	31	3	31	18	76	2	4,060	5,656	2,035
1	1,736	2,002	1,935	539	827	18	639	3,764	1,300	576	48,671	15,340	8,310
2	1,765	2,820	807	394	56	..	237	....	628	1,528	7,554	97,295	62.286
3	310	74	75	37	31	3	31	18	76	2	4,060	5,656	2,035
4	371	198	191	99	104	..	97	376	152	37	3,000	2,316	606
5	4,182	5,094	3,008	1,069	1,018	21	1,004	4,158	2,156	2,143	63,285	120607	73,237
6	3,827	2,983	2,407	1,067	796	..	573	3,320	1,836	1,802	57,827	119230	75,231
7	365	2,111	601	2	222	21	431	838	320	341	5,458	1,377	....
8	....	....	....	....	....	..	....	....	....	....	....	....	1,994
9	.83	1.01	.60	.21	.20	..	.20	.82	.43	.42	12.62	24.06	14.61

THE PUBLIC SCHOOLS (Continued)

II. TABLE B—ATTENDANCE IN URBAN SCHOOLS BY AGE, SEX AND GRADE

Cities		Under 5 yrs.	5 yrs.	6 yrs.	7 yrs.	8 yrs.	9 yrs.	10 yrs.	11 yrs.	12 yrs.	13 yrs.	14 yrs.	15 yrs.	16 yrs.	17 yrs.	18 yrs.	19 yrs. & over	Totals
Kindergarten.....	Boys..	326	4,689	1,884	129	...	...	...	...	...	...	...	...	...	...	...	...	7,028
	Girls..	340	4,690	1,880	143	...	...	...	...	...	...	...	...	...	...	...	...	7,053
Kindergarten-Primary	Boys..	...	1,010	963	466	100	38	...	...	...	...	...	...	...	...	...	...	2,577
	Girls..	...	892	977	391	95	21	...	...	...	...	...	...	...	...	...	...	2,376
Primer	Boys..	...	756	6,824	6,255	2,422	746	291	140	92	149	...	...	...	...	...	...	17,675
	Girls..	...	833	6,496	5,669	1,991	589	201	87	60	48	...	...	...	...	...	...	15,974
First Book	Boys..	...	...	385	3,616	4,318	2,271	932	324	173	91	47	50	...	...	...	...	12,207
	Girls..	...	...	406	3,866	4,302	1,972	720	261	105	35	18	5	...	...	...	...	11,690
Junior Second Book	Boys..	...	...	...	197	1,255	1,399	887	372	182	74	23	16	...	...	...	...	4,405
	Girls..	...	...	...	226	1,361	1,376	777	285	186	55	26	5	...	...	...	...	4,297
Senior Second Book	Boys..	...	...	...	256	2,111	3,849	3,163	1,657	944	525	246	88	48	...	...	...	12,887
	Girls..	...	...	...	311	2,426	4,046	3,048	1,695	726	400	162	52	25	...	...	...	12,891
Junior Third Book	Boys..	...	...	...	2	167	1,392	2,919	2,728	1,848	1,088	540	153	63	...	...	...	10,900
	Girls..	...	...	...	3	207	1,543	3,284	2,825	1,784	957	426	90	32	...	...	...	11,151
Senior Third Book	Boys..	...	...	...	...	13	226	1,221	2,390	2,503	1,827	1,023	425	65	20	...	...	9,713
	Girls..	...	...	...	...	16	227	1,348	2,617	2,458	1,697	955	229	54	20	...	...	9,621
Junior Fourth Book	Boys..	...	...	...	...	...	13	236	1,077	2,016	2,313	1,560	557	146	43	...	...	7,961
	Girls..	...	...	...	...	...	18	288	1,094	2,179	2,292	1,451	501	137	23	...	...	7,983
Senior Fourth Book	Boys..	...	...	...	...	...	1	32	339	1,399	2,848	2,902	1,500	521	82	14	...	9,638
	Girls..	...	...	...	...	...	1	20	296	1,433	3,151	3,222	1,699	531	112	15	...	10,480
Junior Fifth Class	Boys..	...	...	...	...	...	...	...	2	2	36	96	73	32	7	5	...	253
	Girls..	...	...	...	...	...	...	...	2	18	110	224	193	67	24	6	...	644
Senior Fifth Class	Boys..	...	...	...	...	...	...	...	...	...	7	28	35	35	21	2	1	129
	Girls..	...	...	...	...	...	...	...	...	...	25	57	147	166	108	38	8	549
Totals by Sexes	Boys..	326	6,455	10,056	10,921	10,386	9,935	9,681	9,029	9,159	8,958	6,465	2,897	910	173	21	1	95,373
	Girls..	340	6,415	9,759	10,609	10,398	9,793	9,686	9,162	8,949	8,770	6,541	2,921	1,012	287	59	8	94,709
Grand Totals, Cities, 1921.....	......	666	12,870	19,815	21,530	20,784	19,728	19,367	18,191	18,108	17,728	13,006	5,818	1,922	460	80	9	190,082

Towns		Under 5 yrs.	5 yrs.	6 yrs.	7 yrs.	8 yrs.	9 yrs.	10 yrs.	11 yrs.	12 yrs.	13 yrs.	14 yrs.	15 yrs.	16 yrs.	17 yrs.	18 yrs.	19 yrs. & over	Totals
Kindergarten	Boys..	76	244	111	15	...	...	...	...	...	...	...	...	...	...	...	...	446
	Girls..	72	252	86	11	...	...	...	...	...	...	...	...	...	...	...	...	421
Kindergarten-Primary	Boys..	...	412	450	144	23	15	...	...	...	...	...	...	...	...	...	...	1,044
	Girls..	...	420	390	107	27	12	...	...	...	...	...	...	...	...	...	...	956
Primer	Boys..	...	665	2,728	2,438	1,250	487	221	89	54	35	...	...	...	...	...	...	7,967
	Girls..	...	646	2,583	2,488	1,009	389	150	80	38	23	...	...	...	...	...	...	7,406
First Book	Boys..	...	...	139	1,145	1,614	1,188	623	282	124	65	39	12	...	...	...	...	5,231
	Girls..	...	...	198	1,211	1,568	1,089	478	191	90	46	18	2	...	...	...	...	4,891
Junior Second Book	Boys..	...	...	...	101	657	951	707	453	208	117	51	22	...	...	...	...	3,267
	Girls..	...	...	...	117	759	945	646	296	166	83	39	7	...	...	...	...	3,058
Senior Second Book	Boys..	...	...	...	49	357	852	962	667	433	274	123	36	3	...	...	...	3,756
	Girls..	...	...	...	45	420	971	884	649	363	180	59	14	2	...	...	...	3,587
Junior Third Book	Boys..	...	...	...	1	58	383	937	980	787	506	266	116	36	...	...	...	4,070
	Girls..	...	...	...	1	45	483	1,024	1,037	686	427	203	82	17	...	...	...	4,005
Senior Third Book	Boys..	...	...	...	...	2	48	385	783	909	656	408	175	43	8	...	...	3,417
	Girls..	...	...	...	...	4	61	454	896	897	635	324	134	36	12	...	...	3,453
Junior Fourth Book	Boys..	...	...	...	...	1	4	74	362	728	806	560	286	73	19	...	...	2,913
	Girls..	...	...	...	...	..	5	81	472	807	858	565	233	77	14	...	...	3,112
Senior Fourth Book	Boys..	...	...	...	...	...	..	10	93	477	1,118	1,162	744	316	93	18	...	4,031
	Girls..	...	...	...	...	...	1	25	134	591	1,252	1,254	819	359	95	11	...	4,541
Junior Fifth Class	Boys..	...	...	...	...	...	...	...	...	1	2	5	8	5	3	5	...	29
	Girls..	...	...	...	...	...	...	...	...	..	..	7	4	10	6	2	...	29
Senior Fifth Class	Boys..	...	...	...	...	...	...	...	...	...	..	1	1	4	..	..	..	6
	Girls..	...	...	...	...	...	...	...	...	...	1	1	2	7	3	1	1	16
Totals by Sexes	Boys..	76	1,321	3,428	3,893	3,962	3,928	3,919	3,709	3,721	3,579	2,615	1,400	480	123	23	..	36,177
	Girls..	72	1,318	3,257	3,980	3,832	3,956	3,742	3,755	3,638	3,505	2,470	1,297	508	130	14	1	35,475
Grand Totals, Towns, 1921......		148	2,639	6,685	7,873	7,794	7,884	7,661	7,464	7,359	7,084	5,085	2,697	988	253	37	1	71,652

THE PUBLIC SCHOOLS (Continued)

II. TABLE B—ATTENDANCE IN URBAN SCHOOLS BY AGE, SEX AND GRADE (Concluded)

Incorporated Villages		5 yrs.	6 yrs.	7 yrs.	8 yrs.	9 yrs.	10 yrs.	11 yrs.	12 yrs.	13 yrs.	14 yrs.	15 yrs.	16 yrs.	17 yrs.	18 yrs.	Totals
Kindergarten-Primary	Boys........	28	58	20	16	2	...	...	...	...	...	...	...	...	...	124
	Girls........	33	57	34	16	4	...	...	...	...	...	...	...	...	...	144
Primer	Boys........	259	838	830	424	154	60	19	5	2	...	...	...	...	...	2,591
	Girls........	246	920	813	359	128	53	12	9	4	...	...	...	...	...	2,544
First Book	Boys........	...	43	355	621	433	233	116	35	16	2	...	...	...	...	1,854
	Girls........	...	64	408	598	303	153	50	18	5	3	1	...	...	...	1,603
Junior Second Book	Boys........	...	...	22	181	345	317	169	86	22	7	4	...	...	...	1,153
	Girls........	...	...	53	268	331	281	114	55	23	4	4	...	...	...	1,133
Senior Second Book	Boys........	...	...	9	82	249	302	252	149	73	20	7	2	...	...	1,145
	Girls........	...	...	14	100	295	351	218	111	35	14	3	...	...	...	1,141
Junior Third Book	Boys........	...	...	...	15	150	312	398	214	142	79	25	1	...	...	1,336
	Girls........	...	...	1	19	177	368	312	267	140	51	22	3	...	...	1,360
Senior Third Book	Boys........	...	...	...	...	9	89	255	293	244	145	54	76	2	...	1,167
	Girls........	...	...	...	2	15	125	248	291	240	144	34	10	1	...	1,110
Junior Fourth Book	Boys........	...	...	...	...	3	24	145	229	232	194	93	22	12	...	954
	Girls........	...	...	...	...	3	42	172	266	281	197	89	26	1	...	1,077
Senior Fourth Book	Boys........	...	...	...	...	...	3	26	138	341	413	322	197	75	18	1,533
	Girls........	...	...	...	...	...	5	47	240	475	466	305	151	33	6	1,728
Junior Fifth Class	Boys........	...	...	...	...	...	...	...	1	14	23	26	22	...	1	87
	Girls........	...	...	...	...	...	...	...	10	10	13	23	20	20	5	101
Senior Fifth Class	Boys........	...	...	...	...	...	...	...	...	...	5	...	3	2	2	12
	Girls........	...	...	...	...	...	...	...	...	2	3	3	7	3	2	20
Totals by Sexes	Boys........	287	939	1,236	1,339	1,345	1,340	1,380	1,150	1,086	888	531	323	91	21	11,956
	Girls........	279	1,041	1,323	1,362	1,256	1,378	1,173	1,267	1,215	895	484	217	58	13	11,961
Grand Totals, Villages, 1921..............	....	566	1,980	2,559	2,701	2,601	2,718	2,553	2,417	2,301	1,783	1,015	540	149	34	23,917

All Urban Schools		Under 5 yrs.	5 yrs.	6 yrs.	7 yrs.	8 yrs.	9 yrs.	10 yrs.	11 yrs.	12 yrs.	13 yrs.	14 yrs.	15 yrs.	16 yrs.	17 yrs.	18 yrs.	19 yrs. & over	Totals
Kindergarten	Boys..	402	4,933	1,995	144	...	...	...	...	...	...	...	...	...	...	...	...	7,474
	Girls..	412	4,942	1,966	154	...	...	...	...	...	...	...	...	...	...	...	...	7,474
Kindergarten-Primary	Boys..	...	1,450	1,471	630	139	55	...	...	...	...	...	...	...	...	...	...	3,745
	Girls..	...	1,345	1,424	532	138	37	...	...	...	...	...	...	...	...	...	...	3,476
Primer	Boys..	...	1,680	10,390	9,523	4,096	1,387	572	248	151	186	...	...	...	...	...	...	28,233
	Girls..	...	1,725	9,999	8,970	3,359	1,106	404	179	107	75	...	...	...	...	...	...	25,924
First Book	Boys..	...	...	567	5,116	6,553	3,892	1,788	722	332	172	88	62	...	...	...	...	19,292
	Girls..	...	...	668	5,485	6,468	3,364	1,351	502	213	86	39	8	...	...	...	...	18,184
Junior Second Book	Boys..	...	...	...	320	2,093	2,695	1,911	994	476	213	81	42	...	...	...	...	8,825
	Girls..	...	...	...	396	2,388	2,652	1,704	695	407	161	69	16	...	...	...	...	8,488
Senior Second Book	Boys..	...	...	...	314	2,550	4,950	4,427	2,576	1,526	872	389	131	53	...	...	...	17,788
	Girls..	...	...	...	370	2,946	5,312	4,283	2,562	1,200	615	235	69	27	...	...	...	17,619
Junior Third Book	Boys..	...	...	...	3	240	1,925	4,168	4,106	2,849	1,736	885	294	100	...	...	...	16,306
	Girls..	...	...	...	5	271	2,203	4,676	4,174	2,737	1,524	680	194	52	...	...	...	16,516
Senior Third Book	Boys..	...	...	...	...	15	283	1,695	3,428	3,705	2,727	1,576	654	184	30	...	...	14,297
	Girls..	...	...	...	...	22	303	1,927	3,761	3,646	2,572	1,423	397	100	33	...	...	14,184
Junior Fourth Book	Boys..	...	...	...	...	1	20	334	1,584	2,973	3,351	2,314	936	241	74	...	...	11,828
	Girls..	...	...	...	...	...	26	411	1,738	3,252	3,431	2,213	823	240	38	...	...	12,172
Senior Fourth Book	Boys..	...	...	...	...	...	1	45	458	2,014	4,307	4,477	2,566	1,034	250	50	...	15,202
	Girls..	...	...	...	...	...	2	50	477	2,264	4,878	4,942	2,823	1,041	240	32	...	16,749
Junior Fifth Class	Boys..	...	...	...	...	...	...	...	2	4	52	124	107	59	10	11	...	369
	Girls..	...	...	...	...	...	...	...	2	28	120	244	220	97	50	13	...	774
Senior Fifth Class	Boys..	...	...	...	...	...	...	...	...	...	7	34	36	42	23	4	1	147
	Girls..	...	...	...	...	...	...	...	...	...	28	61	152	180	114	41	9	585
Totals by Sexes	Boys..	402	8,063	14,423	16,050	15,687	15,208	14,940	14,118	14,030	13,623	9,968	4,828	1,713	387	65	1	143,506
	Girls..	412	8,012	14,057	15,912	15,592	15,005	14,806	14,090	13,854	13,490	9,906	4,702	1,737	475	86	9	142,145
Grand Totals, All Urban, 1921.....	......	814	16,075	28,480	31,962	31,279	30,213	29,746	28,208	27,884	27,113	19,874	9,530	3,450	862	151	10	285,651

THE PUBLIC

III. TABLE C—TEACHERS, SALARIES,

Rural Schools	Teachers			Salaries			
	Number of teachers	Male	Female	Highest salary, male	Highest salary, female	Average salary of male teachers	Average salary of female teachers
1 Brant	81	5	76	$1,400	$1,850	$1,160	$1,017
2 Bruce	171	17	154	1,200	1,200	1,026	1,002
3 Carleton	161	14	147	1,700	1,500	1,186	988
4 Dufferin	91	5	86	1,100	1,200	1,000	976
5 Dundas	79	11	68	1,200	1,050	1,027	951
6 Elgin	122	10	112	1,400	1,300	1,105	995
7 Essex	133	18	115	1,750	1,350	1,206	1,026
8 Frontenac	147	9	138	900	1,200	771	812
9 Glengarry	80	5	75	1,100	1,100	955	927
10 Grey	225	26	199	1,400	1,200	1,028	972
11 Haldimand	79	8	71	1,650	1,200	1,144	999
12 Haliburton	65	12	53	1,350	1,000	892	789
13 Halton	62	3	59	1,100	1,200	1,033	991
14 Hastings	189	20	169	1,500	1,500	1,102	942
15 Huron	199	27	172	1,550	1,300	1,182	992
16 Kent	146	11	135	1,200	1,435	1,132	1,068
17 Lambton	175	11	164	1,200	1,200	1,082	994
18 Lanark	126	8	118	1,100	1,200	953	890
19 Leeds and Grenville	230	14	216	1,500	1,200	1,023	898
20 Lennox and Addington	119	9	110	960	1,200	807	835
21 Lincoln	88	14	74	1,500	1,250	1,107	1,008
22 Middlesex	205	10	195	1,150	1,300	1,025	987
23 Norfolk	106	16	90	1,500	1,500	1,058	968
24 Northumberland and Durham	214	30	184	1,200	1,200	1,043	958
25 Ontario	141	12	129	1,350	1,200	1,100	973
26 Oxford	128	15	113	1,400	1,300	1,172	1,001
27 Peel	88	7	81	1,450	1,200	1,236	999
28 Perth	117	18	99	1,486	1,300	1,137	996
29 Peterborough	102	12	90	1,400	1,200	1,002	910
30 Prescott and Russell	97	2	95	1,300	1,200	1,250	862
31 Prince Edward	72	6	66	1,200	1,250	1,033	967
32 Renfrew	165	8	157	1,300	1,800	1,044	944
33 Simcoe	232	31	201	1,600	1,200	1,082	985
34 Stormont	83	4	79	1,200	1,100	1,075	928
35 Victoria	114	9	105	1,300	1,100	1,061	942
36 Waterloo	99	21	78	1,500	1,250	1,160	1,012
37 Welland	124	18	106	2,250	1,300	1,325	1,030
38 Wellington	152	13	139	1,600	1,200	1,096	983
39 Wentworth	126	12	114	1,600	1,500	1,271	1,049
40 York	415	58	357	2,500	1,900	1,488	1,069
41 Algoma	90	15	75	1,300	1,200	1,032	882
42 Kenora	24	6	18	1,500	1,000	1,200	889
43 Manitoulin	51	9	42	1,500	1,000	1,056	820
44 Muskoka	104	11	93	1,500	1,200	873	908
45 Nipissing	58	4	54	1,500	1,100	1,075	856
46 Parry Sound	133	21	112	1,800	1,500	1,108	870
47 Rainy River	56	12	44	1,800	1,500	1,000	845
48 Sudbury	102	14	88	1,800	1,600	1,161	935
49 Timiskaming	122	33	89	2,500	2,100	1,243	1,040
50 Thunder Bay	76	16	60	2,100	1,400	1,045	961
1 Totals, Rural Schools	6,364	700	5,664	2,500	2,100	1,125	961
2 " Cities	4,159	585	3,574	3,500	3,225	2,245	1,310
3 " Towns	1,513	155	1,358	3,000	1,700	1,721	1,005
4 " Villages	520	88	432	1,950	1,500	1,356	940
5 Grand Totals, 1921	12,556	1,528	11,028	3,500	3,225	1,628	1,079
6 Grand Totals, 1920	12,153	1,397	10,756	3,500	2,975	1,575	1,000
7 Increases	403	131	272	....	250	53	79
8 Decreases	....	....	....	....	....	......	......
9 Percentages	....	12.16	87.83	....	....	......	......

SCHOOLS (Continued)

CERTIFICATES, EXPERIENCE, ETC.

	Salaries—continued						
	Average salary, male teachers. Class	Average salary, female, I Class	Average salary, male, II Class	Average salary, female, II Class	Average salary, male, III or District	Average salary, female, III or District	Average salary, Kindergarten-Primary
1	$.....	$1,375	$ 1,200	$ 992	$ 1,000	$ 1,000	$ 1,350
2	.....	1,044	1,077	1,019	900	886	.....
3	.....	1,033	1,290	1,000	850	829	1,006
4	.....	1,000	1,025	985	900	887	.....
5	.....	967	1,027	950	.....	.....	.....
6	.....	1,000	1,105	996	.....	.....	.....
7	1,250	1,037	1,217	1,037	1,100	937	.....
8	.....	925	.....	973	824	779	.....
9	.....	.....	1,017	968	862	845	.....
10	.....	1,050	1,062	985	885	893	.....
11	1,200	1,037	1,136	997	.....	950	.....
12	1,200	1,000	1,175	980	833	796	.....
13	.....	1,150	1,033	988	.....	.....	.....
14	1,275	1,174	1,177	988	960	885	.....
15	1,106	1,006	1,195	991	.....	1,000	.....
16	1,125	1,146	1,133	1,067	.....	995	.....
17	.....	1,067	1,082	·991	.....	.....	.....
18	.....	950	1,019	965	950	832	.....
19	1,500	980	1,015	932	892	815	.....
20	.....	.....	.....	949	890	791	.....
21	1,100	1,020	1,108	1,008	.....	1,000	.....
22	.....	1,000	1,025	987	.....	.....	.....
23	1,350	950	1,025	983	900	890	.....
24	1,200	1,007	1,062	977	933	853	.....
25	950	964	1,135	986	900	839	.....
26	1,350	1,110	1,144	993	.....	.....	.....
27	1,400	991	1,208	1,001	.....	.....	.....
28	1,486	1,037	1,138	998	950	850	.....
29	.....	1,000	1,071	988	905	844	.....
30	1,200	1,200	1,300	956	.....	859	.....
31	.....	1,075	1,033	985	.....	856	.....
32	.....	1,000	1,110	1,016	900	890	.....
33	1,200	1,037	1,074	995	1,100	919	.....
34	.....	967	1,075	939	.....	819	.....
35	1,200	1,062	1,092	975	.....	813	.....
36	1,200	1,017	1,157	1,015	.....	.....	800
37	900	1,020	1,350	1,031	.....	.....	1,100
38	1,300	1,000	1,072	984	1,000	946	.....
39	1,050	1,045	1,315	1,050	.....	.....	1,000
40	2,017	1,072	1,427	1,074	.....	850	986
41	.....	1,200	1,144	1,000	885	823	.....
42	.....	.....	1,000	880	1,150	919	.....
43	1,350	.....	1,000	942	967	817	.....
44	1,000	.....	1,083	956	775	727	.....
45	.....	.....	1,300	989	.....	820	.....
46	1,500	1,233	1,322	954	946	833	.....
47	1,650	1,500	1,000	1,067	800	819	.....
48	1,500	1,300	1,533	1,088	810	837	.....
49	1,900	1,717	1,296	1,083	975	950	.....
50	1,200	1,067	1,037	1,106	1,160	923	.....
1	1,374	1,058	1,170	1,002	928	843	1,012
2	2,400	1,701	2,011	1,322	.....	1,194	1,181
3	1,980	1,001	1,667	1,005	.....	932	1,045
4	1,408	952	1,352	950	.....	717	1,000
5	2,236	1,180	1,436	1,101	928	845	1,156
6	2,104	1,075	1,367	1,034	873	768	1,088
7	132	105	69	67	55	77	68
8	.....	.....	.....	.....	.....	.....	.....
9	.....	.....	.....	.....	.....	.....	.....

THE PUBLIC

III. TABLE C—TEACHERS, SALARIES,

Rural Schools	Salaries (Continued)				
	Average salary, Kindergarten Teachers	Average salary, Manual Training	Average salary, Household Science	Average salary, male, temporary	Average salary, female, temporary
1 Brant	$.....	$.....	$.....	$.....	$.....
2 Bruce	.....	.....	.....	825	850
3 Carleton	.....	.....	.....	1,000	820
4 Dufferin	.....	.....	.....	.....	.....
5 Dundas	.....	.....	.....	.....	.....
6 Elgin	.....	.....	.....	.....	887
7 Essex	.....	.....	.....	.....	.....
8 Frontenac	.....	.....	.....	667	650
9 Glengarry	.....	.....	.....	.....	850
10 Grey	.....	.....	.....	.....	762
11 Haldimand	.....	.....	.....	.....	.....
12 Haliburton	.....	.....	.....	775	704
13 Halton	.....	.....	.....	.....	.....
14 Hastings	.....	.....	.....	875	843
15 Huron	.....	.....	.....	.....	900
16 Kent	.....	.....	.....	.....	.....
17 Lambton	.....	.....	.....	.....	.....
18 Lanark	.....	.....	.....	700	718
19 Leeds and Grenville	.....	.....	.....	.....	789
20 Lennox and Addington	.....	.....	.....	740	739
21 Lincoln	.....	.....	.....	.....	.....
22 Middlesex	.....	.....	.....	.....	.....
23 Norfolk	.....	.....	.....	.....	900
24 Northumberland and Durham	.....	.....	.....	900	806
25 Ontario	.....	.....	.....	.....	800
26 Oxford	.....	.....	.....	.....	.....
27 Peel	.....	.....	.....	.....	950
28 Perth	.....	.....	.....	.....	.....
29 Peterborough	.....	.....	.....	.....	759
30 Prescott and Russell	.....	.....	.....	.....	713
31 Prince Edward	.....	.....	.....	.....	817
32 Renfrew	.....	.....	.....	1,000	860
33 Simcoe	.....	.....	.....	1,000	920
34 Stormont	.....	.....	.....	.....	.....
35 Victoria	.....	.....	.....	900	600
36 Waterloo	.....	.....	.....	.....	.....
37 Welland	.....	.....	.....	.....	.....
38 Wellington	.....	.....	.....	1,000	1,000
39 Wentworth	.....	.....	.....	.....	.....
40 York	.....	.....	.....	.....	950
41 Algoma	.....	.....	.....	950	756
42 Kenora	.....	.....	.....	1,300	862
43 Manitoulin	.....	.....	.....	.....	690
44 Muskoka	.....	.....	.....	700	554
45 Nipissing	.....	.....	.....	850	750
46 Parry Sound	.....	.....	.....	812	792
47 Rainy River	.....	.....	.....	780	746
48 Sudbury	.....	.....	.....	750	755
49 Timiskaming	.....	.....	.....	970	844
50 Thunder Bay	.....	.....	.....	875	821
1 Totals, Rural Schools	.....	.....	.....	856	749
2 Totals, Cities	1,246	2,136	1,450	.....	.....
3 Totals, Towns	969	2,000	1,212	.....	900
4 Totals, Villages	.....	.....	.....	.....	700
5 Grand Totals, 1921	1,229	2,132	1,440	856	749
6 Grand Totals, 1920	1,174	1,999	1,361	760	667
7 Increases	55	133	79	96	82
8 Decreases	.....	.....	.....	.....	.....
9 Percentages	.....	.....	.....	.....	.....

SCHOOLS (Continued)

CERTIFICATES, EXPERIENCE, ETC. (Continued)

	Number who have ever attended a Model School in Ontario	Number who have ever attended a Normal School in Ont.	No. who have ever attended Normal College or F. of E. in Ont.	Number of University Graduates	Certificates								
					I or Interim I	II or Interim II	III	District	Kindergarten-Primary	Kindergarten	Manual Training	Household Science	Temporary
1	4	74	6	...	4	74	2	...	1	...	...	...	...
2	13	149	8	...	8	139	16	4	...	...	...	...	4
3	14	147	3	3	3	139	8	...	4	...	...	...	7
4	5	85	2	...	2	80	9	...	...	...	...	...	...
5	...	76	3	...	3	76	...	...	...	...	...	...	...
6	6	115	11	...	11	109	...	...	...	...	...	...	2
7	15	119	9	...	9	109	15	...	...	...	...	...	...
8	75	44	3	1	4	40	40	30	...	...	...	...	33
9	32	54	...	1	...	53	25	...	...	...	...	...	2
10	23	196	6	...	7	185	27	2	...	...	...	...	4
11	3	70	7	...	7	70	2	...	...	...	...	...	...
12	26	10	1	...	2	7	11	16	...	...	...	...	29
13	...	61	1	...	1	61	...	...	...	...	...	...	...
14	84	98	7	...	7	93	50	30	...	...	...	...	9
15	7	185	13	...	13	184	1	...	...	...	...	...	1
16	2	138	6	...	6	138	2	...	...	...	...	...	...
17	5	169	6	...	6	169	...	...	...	...	...	...	...
18	37	61	2	...	2	69	32	5	...	...	...	...	18
19	61	154	6	1	6	150	65	...	...	...	...	...	9
20	31	44	...	...	...	43	19	14	...	...	...	...	43
21	16	80	7	...	6	81	1	...	...	...	...	...	...
22	1	200	5	...	7	198	...	...	...	...	...	...	...
23	27	95	4	...	4	87	12	2	...	...	...	...	1
24	21	179	7	...	8	174	22	...	...	...	...	...	10
25	5	127	9	...	8	122	7	3	...	...	...	...	1
26	9	118	10	...	10	118	...	...	...	...	...	...	...
27	1	78	6	...	6	80	...	...	...	...	...	...	2
28	6	114	5	...	5	108	4	...	...	...	...	...	...
29	17	68	2	...	1	57	17	9	...	...	...	...	18
30	31	53	2	...	2	46	19	...	...	...	...	...	30
31	7	68	4	1	4	57	8	...	...	...	...	...	3
32	81	80	1	...	1	72	64	22	...	...	...	...	6
33	31	191	11	...	11	188	20	1	...	...	...	...	12
34	29	73	2	1	3	72	8	...	...	...	...	...	...
35	22	88	5	...	5	85	19	2	...	...	...	...	3
36	13	96	4	...	4	94	...	...	1	...	...	...	...
37	15	114	9	...	11	112	...	...	1	...	...	...	...
38	8	136	11	...	11	131	8	...	...	...	...	...	2
39	2	113	13	...	13	112	...	...	1	...	...	...	...
40	64	379	28	1	26	376	2	...	7	...	...	...	4
41	35	40	1	...	1	36	22	16	...	...	...	...	15
42	10	3	...	...	...	3	5	5	...	...	...	...	11
43	37	7	2	...	2	7	16	21	...	...	...	...	5
44	59	14	1	...	2	11	37	27	...	...	...	...	27
45	31	19	...	...	...	16	15	19	...	...	...	...	8
46	69	40	4	...	4	39	32	38	...	...	...	...	20
47	23	11	3	...	3	10	9	15	...	...	...	...	19
48	53	38	4	...	4	38	27	21	...	...	...	...	12
49	27	73	6	...	6	72	18	9	...	...	...	...	17
50	31	23	4	...	4	23	16	17	...	...	...	...	16
1	1,224	4,767	270	9	273	4,613	732	328	15	...	...	...	403
2	1,436	3,261	733	121	765	2,833	8	...	211	184	63	95	...
3	368	1,335	131	6	134	1,310	22	2	26	12	2	4	1
4	118	471	31	2	29	471	18	...	1	...	...	...	1
5	3,146	9,834	1,165	138	1,201	9,227	780	330	253	196	65	99	405
6	3,234	9,248	1,212	138	1,230	8,736	805	269	231	181	61	72	568
7	...	586	...	...	...	491	...	61	22	15	4	27	...
8	88	...	47	...	29	...	25	...	...	...	...	...	163
9	25.05	78.32	9.27	1.09	9.56	73.48	6.21	2.62	2.01	1.56	.51	.78	3.22

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III. TABLE C—TEACHERS, SALARIES,

Experience

	Number of teachers who at end of year had taught less than one year		One year, but less than two years		2 years, but less than 3 years		3 years, but less than 4 years		4 years, but less than 5 years		5 years, but less than 6 years	
Totals	Male	Female	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1 Rural Schools	108	1,061	140	937	65	780	40	769	45	446	33	366
2 Cities	5	68	26	125	22	225	24	194	28	226	45	179
3 Towns	3	77	12	97	4	120	2	143	5	119	6	109
4 Villages	2	32	6	30	4	47	5	57	8	46	5	36
5 Grand Totals, 1921	118	1,238	184	1,189	95	1,172	71	1,163	86	837	89	690
6 Percentages, Male	7.72	....	12.04	...	6.21	...	4.64	...	5.62	...	5.82	...
7 Percentages, Female	....	11.22	...	10.78	...	10.62	...	10.54	...	7.58	...	6.25

	14 years, but less than 15 years		15 years, but less than 16 years		16 years, but less than 17 years		17 years, but less than 18 years		18 years, but less than 19 years		19 years, but less than 20 years	
Totals	Male	Female	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1 Rural Schools	7	35	5	37	8	29	11	18	2	25	2	21
2 Cities	16	102	13	86	14	75	12	77	8	67	7	80
3 Towns	2	21	8	23	4	23	...	22	2	12	1	12
4 Villages	...	5	2	4	3	4	...	7	1	10	...	4
5 Grand Totals, 1921	25	163	28	150	29	131	23	124	13	114	10	117
6 Percentages, Male	1.63	....	1.83	...	1.89	...	1.50	...	.85	...	.65	...
7 Percentages, Female	...	1.47	...	1.36	...	1.18	...	1.12	...	1.03	...	1.06

	28 years, but less than 29 years		29 years, but less than 30 years		30 years, but less than 31 years		31 years, but less than 32 years		32 years, but less than 33 years		33 years, but less than 34 years	
Totals	Male	Female	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1 Rural Schools	9	9	8	13	6	14	6	2	8	3	2	3
2 Cities	8	49	12	36	7	32	10	37	7	28	7	28
3 Towns	5	8	3	7	...	8	4	12	3	7	1	5
4 Villages	1	1	1	1	...	1	3	1	1	...	1	...
5 Grand Totals, 1921	23	67	24	57	13	55	23	52	19	38	11	36
6 Percentages, Male	1.50	....	1.57	...	.85	...	1.50	...	1.24	...	.71	...
7 Percentages, Female	....	.60	...	.51	...	.49	...	.47	...	.34	...	.32

Average experience: male teachers, 12.9 years; female teachers, 8.2 years; all teachers, 8.6 years. Average experience, rural teachers, 4.9 years; urban teachers, 12.5 years.

SCHOOLS (Continued)

CERTIFICATES, EXPERIENCE, ETC. (Concluded)

Experience (Continued)

	6 years, but less than 7 years		7 years, but less than 8 years		8 years, but less than 9 years		9 years, but less than 10 years		10 years, but less than 11 years		11 years, but less than 12 years		12 years, but less than 13 years		13 years, but less than 14 years	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1	19	286	20	194	17	152	7	91	15	109	9	59	4	53	5	36
2	31	207	24	219	25	148	22	162	21	134	16	126	14	130	15	97
3	5	80	4	69	8	58	5	36	6	33	2	44	2	39	2	21
4	4	18	2	10	2	16	4	12	5	12	2	7	1	9	1	13
5	59	591	50	492	52	374	38	301	47	288	29	236	21	231	23	167
6	3.86	...	3.27	...	3.40	...	2.48	...	3.07	...	1.89	...	1.37	...	1.50	...
7	....	5.35	...	4.46	...	3.39	...	2.72	...	2.61	...	2.14	...	2.09	...	1.51

	20 years, but less than 21 years		21 years, but less than 22 years		22 years, but less than 23 years		23 years, but less than 24 years		24 years, but less than 25 years		25 years, but less than 26 years		26 years, but less than 27 years		27 years, but less than 28 years	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1	10	22	8	16	6	15	4	13	11	11	8	7	7	9	5	8
2	18	83	13	64	8	55	10	56	12	57	13	38	10	26	13	32
3	3	13	6	12	5	16	7	20	7	13	3	16	5	5	3	9
4	....	5	...	5	...	7	2	5	2	5	2	2	2	6	1	1
5	31	123	27	97	19	93	23	94	32	86	26	63	24	46	22	50
6	2.02	...	1.76	...	1.24	...	1.50	...	2.09	...	1.70	...	1.57	...	1.43	...
7	....	1.11	...	.87	...	.84	...	.85	...	.77	...	.57	...	.41	...	.45

	34 years, but less than 35 years		35 years, but less than 36 years		36 years, but less than 37 years		37 years, but less than 38 years		38 years, but less than 39 years		39 years, but less than 40 years		40 years or over		Totals	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1	5	2	3	3	4	3	7	...	5	2	7	...	9	5	700	5,664
2	8	32	4	40	6	47	6	19	4	22	2	18	19	48	585	3,574
3	3	9	1	5	3	3	1	8	3	2	1	6	5	16	155	1,358
4	1	2	2	2	1	4	1	...	2	1	5	1	3	3	88	432
5	17	45	10	50	14	57	15	27	14	27	15	25	36	72	1,528	11,028
6	1.11	...	.65	...	.91	...	.98	...	.91	...	.98	...	2.35	...	....	....
7	...	.40	...	.45	...	.51	...	.24	...	.24	...	.22	...	.65	....	....

THE PUBLIC

IV. TABLE D—SCHOOL HOUSES, MEDICAL

Rural Schools	School Houses						Free Text Books		Medical and Denta		
	Number of Schools	Brick	Stone	Concrete	Frame	Log	No. of Schools with free School Readers	No. of Schools with other Text Books free	No. of Schools where Medical Inspection is in force	No. of Schools where Nurse Inspection with Medical Supervision is in force	No. of Schools where Nurse Inspection only (without Medical Supervision) is in force
1 Brant	61	48	3	9	1	..	1	1	1	1	..
2 Bruce	165	108	16	4	37	..	..	..	..	..	..
3 Carleton	122	40	16	6	55	5	..	..	..	..	..
4 Dufferin	92	61	5	2	24	..	..	..	..	..	..
5 Dundas	75	7	9	1	58	..	..	..	..	..	..
6 Elgin	105	84	..	..	21	..	..	..	..	..	..
7 Essex	111	47	3	7	54	..	..	1	9	..	..
8 Frontenac	143	13	20	..	105	5	..	..	..	..	..
9 Glengarry	75	3	..	3	69	..	..	..	..	..	..
10 Grey	221	129	51	2	39	..	..	9	9	..	..
11 Haldimand	74	63	..	2	9	..	..	..	..	..	..
12 Haliburton	63	3	3	..	53	4	2	5	..	..	..
13 Halton	58	31	13	6	8	..	..	..	..	..	14
14 Hastings	176	62	13	3	98	..	..	..	..	..	..
15 Huron	184	121	8	3	52	..	..	..	..	..	..
16 Kent	135	103	..	1	31	..	..	2	3	1	3
17 Lambton	169	93	1	2	73	..	..	..	..	..	..
18 Lanark	122	22	11	..	84	5	..	1	15	8	10
19 Leeds and Grenville	221	62	75	1	79	4	..	..	..	..	..
20 Lennox and Addington	112	24	7	3	78	..	..	..	..	..	..
21 Lincoln	68	37	7	1	23	..	..	3	6	3	2
22 Middlesex	184	140	..	1	43	..	..	..	..	..	..
23 Norfolk	99	69	6	6	18	..	..	..	..	..	..
24 Northumberland and Durham	203	138	11	5	49	..	..	1	..	..	..
25 Ontario	120	80	1	..	39	..	..	..	..	..	..
26 Oxford	109	92	4	1	12	..	..	..	..	..	..
27 Peel	77	57	6	1	13	..	..	..	..	..	74
28 Perth	112	93	5	..	14	..	..	..	..	..	..
29 Peterborough	97	48	3	3	38	5	..	..	..	..	..
30 Prescott and Russell	83	10	..	1	68	4	..	..	..	..	..
31 Prince Edward	71	35	13	1	22	..	..	..	..	..	..
32 Renfrew	154	52	1	8	86	7	..	..	..	..	..
33 Simcoe	211	151	2	12	46	..	..	59	31	2	..
34 Stormont	75	4	..	2	69	..	..	..	..	..	..
35 Victoria	103	76	4	..	23	..	..	..	..	..	..
36 Waterloo	82	60	17	..	5		....	..	..	..	..
37 Welland	84	51	6	6	21	..	1	1	..	..	32
38 Wellington	143	97	36	5	5	..	..	..	25	..	..
39 Wentworth	79	59	11	..	9	..	..	..	..	..	18

SCHOOLS (Continued)

AND DENTAL INSPECTION, LIBRARIES, ETC.

	Inspection		Religious Exercises				Rural School Libraries		
	No. of Nurses employed	No. of Schools where Dental Inspection is in force	No. of Schools where Bible or selections therefrom used	No. of Schools where passages are memorized	No. of Schools opened and closed with prayer	No. of Schools where religious instruction is imparted as permitted by the regulations	No. of Rural Schools with a library	No. of volumes	Value of Libraries
1	...	1	57	23	61	...	61	17,742	$7,592
2	...	...	162	84	165	...	165	39,500	17,444
3	...	...	92	8	116	1	117	19,860	7,810
4	...	...	77	24	81	21	92	9,772	3,792
5	...	...	72	...	72	...	72	21,201	7,524
6	...	...	103	32	102	17	105	34,337	13,843
7	...	...	95	65	108	1	109	19,502	8,826
8	...	...	121	48	142	6	143	19,589	7,209
9	...	...	35	5	75	10	75	11,807	3,588
10	...	...	207	68	216	2	218	34,587	12,716
11	...	...	74	5	74	...	74	15,530	7,083
12	...	21	55	22	59	12	56	7,151	2,538
13	1	...	58	16	58	...	58	12,177	5,063
14	1	33	146	49	150	12	174	44,153	12,896
15	...	...	180	53	183	...	183	37,207	11,129
16	3	8	124	58	132	4	136	16,218	12,120
17	...	...	151	67	159	6	168	38,419	10,382
18	5	27	108	34	123	...	122	17,666	6,608
19	...	...	175	37	216	9	216	35,649	14,141
20	...	...	94	24	110	8	105	10,078	4,344
21	...	2	60	25	64	...	64	20,365	[illegible],380
22	...	...	177	103	183	4	184	28,379	11,447
23	...	...	94	38	99	...	99	22,671	7,016
24	...	...	188	47	1[illegible]9	28	202	31,504	11,172
25	...	...	107	51	118	3	118	22,619	10,235
26	...	...	104	4	105	7	106	25,985	9,883
27	1	...	65	23	74	...	74	12,269	3,517
28	...	...	105	28	110	21	112	21,181	7,537
29	...	...	76	23	96	6	96	18,894	8,487
30	...	...	40	8	60	6	80	16,124	5,568
31	...	...	71	6	71	3	71	9,767	4,080
32	...	..	100	24	153	7	152	17,547	9,421
33	...	34	183	70	184	22	213	31,706	12,989
34	...	...	63	10	75	2	75	12,261	5,176
35	...	...	95	17	101	7	103	22,884	6,770
36	...	..	82	22	82	1	82	18,830	5,580
37	4	...	76	17	78	...	78	15,703	6,724
38	...	...	140	45	143	2	132	23,711	10,086
39	1	...	78	30	78	2	78	34,913	14,981

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IV. TABLE D—SCHOOL HOUSES, MEDICAL

	School Houses						Free Text Books		Medical and Dental		
Rural Schools	Number of Schools	Brick	Stone	Concrete	Frame	Log	No. of Schools with free School Readers	No. of Schools with other Text Books free	No. of Schools where Medical Inspection is in force	No. of Schools where Nurse Inspection with Medical Supervision is in force	No. of Schools where Nurse Inspection only (without Medical Supervision) is in force
40 York	169	135	1	2	31	..	16	17	2	1	12
41 Algoma	84	9	2	4	61	8	1	1	11	2	1
42 Kenora	26	1	..	1	19	5	2	1	1	..	..
43 Manitoulin	49	2	2	9	34	2	..	..	..	..	..
44 Muskoka	101	26	1	2	67	5	..	2	..	..	..
45 Nipissing	61	5	..	..	45	11	5	4	..	..	..
46 Parry Sound	118	14	3	4	86	11	1	1	19	..	..
47 Rainy River	53	5	1	1	30	16	..	..	..	..	..
48 Sudbury	78	4	..	..	70	4	..	..	1	1	..
49 Timiskaming	103	5	..	..	82	16	2	5	5	2	..
50 Thunder Bay	68	8	..	..	48	12	7	9	..	2	2
Totals											
1 Rural Schools	5,548	2,687	397	131	2,204	129	38	123	138	23	168
2 Cities	321	289	17	..	15	..	215	212	150	172	133
3 Towns	257	196	18	3	39	1	7	13	28	10	79
4 Villages	154	130	9	2	13	..	..	..	9	1	9
5 Grand Totals, 1921	6,280	3,302	441	136	2,271	130	260	348	325	206	389
6 Grand Totals, 1920	6,207	3,275	442	124	2,246	120	..	..	270	183	294
7 Increases	73	27	..	12	25	10	..	..	55	23	95
8 Decreases	.....	.....	1	....	.....	....	....	....	......	....	....
9 Percentages	....	52.57	7.02	2.16	36.16	2.07	4.14	5.54	5.17	3.28	6.19

SCHOOLS (Continued)

AND DENTAL INSPECTION, LIBRARIES, ETC. (Concluded)

Inspection			Religious Exercises				Rural School Libraries		
	No. of Nurses Employed	No. of Schools where Dental Inspection is in force	No. of Schools where Bible or selections therefrom used	No. of Schools where passages are memorized	No. of Schools opened and closed with prayer	No. of Schools where religious instruction is imparted as permitted by the regulations	No. of Rural Schools with a library	No. of volumes	Value of Libraries
40	3	1	163	47	149	2	161	41,211	14,016
41	...	...	69	32	73	3	48	5,942	1,163
42	...	...	23	8	26	3	19	2,166	889
43	...	...	49	17	49	5	38	4,583	1,826
44	...	...	96	29	100	10	197	11,935	4,848
45	...	...	29	6	57	5	43	3,482	1,632
46	...	8	111	22	118	7	11	13,968	5,801
47	...	...	45	10	49	5	44	5,620	2,317
48	...	...	36	1	76	26	60	6,441	2,504
49	...	1	84	30	97	13	77	10,871	4,442
50	...	6	55	23	67	1	54	5,415	2,125
1	19	143	4,850	1,336	5,336	310	5,320	981,092	377,260
2	119	219	213	250	290	111	......	....	....
3	41	25	235	76	243	27	......	....	....
4	8	12	142	48	141	11	......	....	....
5	187	399	5,440	1,610	6,010	459	......	....	....
6	160	...	5,024	1,603	6,040	260	......	....	....
7	27	...	416	7	....	199	......	....	....
8	...	...	....	....	30	...	......	....	....
9	2.97	6.35	86.62	25.63	95.70	7.14	......	....	......

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V. TABLE E—FINANCIAL

	Rural Schools	Receipts					
		Legislative Grants		Municipal Grants (County)		Municipal Grants (Township)	
		$	c.	$	c.	$	c.
1	Brant	19,041	20	734	28	51,114	69
2	Bruce	45,377	20	2,309	34	91,050	00
3	Carleton	41,446	81	2,155	19	79,848	92
4	Dufferin	21,421	64	....		46,350	00
5	Dundas	25,011	12	1,101	16	38,950	00
6	Elgin	29,116	87	3,394	57	69,200	00
7	Essex	32,517	96	1,242	57	71,031	19
8	Frontenac	49,917	72	1,457	08	48,509	60
9	Glengarry	18,521	43	870	22	39,334	16
10	Grey	48,187	97	3,193	72	125,387	95
11	Haldimand	21,505	41	809	00	46,200	00
12	Haliburton	28,934	68	1,474	25	14,327	97
13	Halton	14,178	67	626	82	36,370	00
14	Hastings	73,268	24	3,305	83	77,711	30
15	Huron	39,988	07	2,015	27	116,200	00
16	Kent	40,214	37	1,561	93	85,200	00
17	Lambton	29,245	93	1,504	58	103,127	73
18	Lanark	31,920	12	1,317	33	59,466	38
19	Leeds and Grenville	93,392	50	2,396	02	109,763	27
20	Lennox and Addington	31,545	51	1,254	39	49,559	50
21	Lincoln	20,150	58	1,094	32	44,980	00
22	Middlesex	36,807	93	2,286	65	118,740	00
23	Norfolk	25,663	26	1,313	49	59,146	81
24	Northumberland and Durham	52,014	15	1,193	41	114,312	00
25	Ontario	29,675	50	1,881	34	76,989	94
26	Oxford	29,920	26	1,676	07	73,771	00
27	Peel	21,703	69	849	79	48,120	00
28	Perth	21,491	85	1,233	55	69,200	00
29	Peterborough	35,004	32	1,040	05	40,034	93
30	Prescott and Russell	19,039	36	1,708	55	33,338	80
31	Prince Edward	16,588	66	745	58	41,277	00
32	Renfrew	60,448	22	1,891	67	66,489	06
33	Simcoe	58,815	49	2,559	41	132,320	76
34	Stormont	25,350	73	818	70	40,203	37
35	Victoria	32,568	05	1,436	26	57,594	52
36	Waterloo	23,982	81	998	03	55,940	73
37	Welland	33,485	75	1,146	89	80,900	00
38	Wellington	30,901	61	916	29	89,200	00
39	Wentworth	36,439	19	1,201	43	64,347	15
40	York	119,174	62	14,164	62	153,510	67
41	Algoma	42,840	92	....		6,191	24
42	Kenora	10,932	66	....		2,446	49
43	Manitoulin	28,242	39	....		6,150	00
44	Muskoka	40,408	55	....		15,321	52
45	Nipissing	27,863	11	....		5,852	16
46	Parry Sound	82,580	12	....		16,121	06
47	Rainy River	24,173	54	....		3,508	04
48	Sudbury	50,235	55	....		3,300	00
49	Timiskaming	71,344	18	....		12,390	00
50	Thunder Bay	37,849	19	....		5,235	00
	Totals	1,880,449	66	72,879	65	2,895,634	91

SCHOOLS (Continued)

STATEMENT

	Receipts			
	Assessments Levied on Requisition of the Trustees	Debentures	Clergy Reserve Fund, Balances and Other Sources	Total Receipts
	$ c.	$ c.	$ c.	$ c.
1	53,326 76	1,150 92	72,099 60	197,467 45
2	78,476 54	2,262 12	151,465 00	370,940 20
3	79,423 66	299 40	84,660 79	287,834 77
4	49,085 78	20 50	65,813 09	182,691 01
5	36,734 22	1,441 62	42,673 68	145,911 80
6	72,775 04	10,545 24	129,304 94	314,336 66
7	93,035 52	771 47	115,570 56	314,169 27
8	42,673 74	1,322 00	90,249 08	234,129 22
9	31,352 54	371 69	35,752 06	126,202 10
10	114,149 49	8,231 76	134,625 18	433,776 07
11	44,800 32	850 00	85,873 79	200,038 52
12	8,258 25	4,802 48	25,734 59	83,532 22
13	38,129 45	....	43,682 68	132,987 62
14	78,245 52	13,438 61	149,132 26	395,101 76
15	101,940 44	1,011 25	148,436 15	409,591 18
16	107,000 41	9,251 21	156,254 38	399,482 30
17	91,612 20	42,261 67	100,776 71	368,528 82
18	31,139 29	....	57,261 67	181,104 79
19	77,112 30	31,182 60	147,772 92	461,619 61
20	30,568 20	....	70,909 18	183,836 78
21	73,058 42	1,438 54	94,906 96	235,628 82
22	128,029 97	3,511 73	147,549 07	436,925 35
23	52,338 61	....	97,662 52	236,124 69
24	100,986 17	11,499 50	107,877 57	387,882 80
25	76,678 43	8,259 17	83,308 46	276,792 84
26	87,387 70	11,562 84	136,948 43	341,266 30
27	67,380 75	37,852 10	79,251 85	255,158 18
28	81,090 05	9,555 31	94,566 49	277,137 25
29	40,017 27	....	62,001 60	178,098 17
30	36,121 54	678 41	56,851 63	147,738 29
31	27,890 90	407 61	45,863 00	132,772 75
32	50,669 89	7,004 82	114,929 87	301,433 53
33	124,036 99	10,100 40	175,698 18	503,531 23
34	31,072 73	180 00	44,679 92	142,305 45
35	44,835 65	9,201 21	64,365 25	210,000 94
36	71,042 36	2,706 21	111,581 76	266,251 90
37	77,228 43	76,290 56	127,871 50	396,923 13
38	85,612 36	9,199 55	130,479 11	346,308 92
39	110,678 62	8,108 81	149,654 21	370,429 41
40	417,609 52	463,263 97	677,978 78	1,845,702 18
41	55,624 82	2,459 55	33,746 66	140,863 19
42	11,687 81	7,503 35	14,698 29	47,268 60
43	21,187 18	....	29,625 47	85,205 04
44	29,504 09	600 00	35,749 83	121,583 99
45	21,306 22	1,730 00	15,445 95	72,197 44
46	49,305 94	3,845 00	38,194 41	190,046 53
47	33,756 79	48,279 90	43,049 94	152,768 21
48	72,417 73	1,998 31	41,959 27	169,910 86
49	142,368 36	40,296 62	67,205 61	333,604 77
50	57,190 80	612 21	29,122 10	130,009 30
	3,537,955 77	907,360 22	4,860,872 00	14,155,152 21

THE PUBLIC

V. TABLE E—FINANCIAL

	Expenditure		
Rural Schools	Teachers' Salaries	Sites and Building School Houses	Libraries, Maps, Apparatus, Prizes and School Books
	$ c.	$ c.	$ c.
1 Brant	80,038 92	11,174 90	2,358 50
2 Bruce	159,401 11	13,615 82	2,526 94
3 Carleton	154,293 75	8,988 85	1,137 41
4 Dufferin	82,625 65	6,554 83	1,096 31
5 Dundas	74,527 45	2,636 35	468 58
6 Elgin	116,678 85	13,305 14	4,515 79
7 Essex	135,388 55	16,392 65	2,384 64
8 Frontenac	111,222 10	4,927 60	863 12
9 Glengarry	70,379 55	2,912 91	526 68
10 Grey	207,484 25	19,853 07	1,297 45
11 Haldimand	77,253 72	15,139 98	639 79
12 Haliburton	42,541 65	9,537 52	1,641 06
13 Halton	58,530 68	5,127 31	1,121 24
14 Hastings	171,346 20	24,396 67	2,252 88
15 Huron	189,091 60	11,292 24	2,261 90
16 Kent	152,224 38	23,595 14	3,372 17
17 Lambton	162,983 64	50,896 46	1,998 10
18 Lanark	105,192 36	4,250 99	794 30
19 Leeds and Grenville	202,868 10	64,547 62	2,135 90
20 Lennox and Addington	93,858 18	7,093 60	875 34
21 Lincoln	88,451 21	11,405 83	2,331 34
22 Middlesex	191,702 84	24,141 74	3,794 42
23 Norfolk	97,496 66	5,574 74	790 50
24 Northumberland and Durham	197,359 47	20,422 72	2,689 10
25 Ontario	130,784 77	16,579 59	1,331 60
26 Oxford	126,610 08	22,565 80	2,524 86
27 Peel	84,274 58	41,560 69	1,151 21
28 Perth	112,659 47	13,356 64	2,362 82
29 Peterborough	86,869 63	5,062 29	806 14
30 Prescott and Russell	74,372 98	2,607 05	412 52
31 Prince Edward	67,145 03	2,287 11	730 20
32 Renfrew	146,784 33	17,834 49	1,261 44
33 Simcoe	222,709 80	33,099 95	2,517 79
34 Stormont	74,265 39	3,580 58	364 29
35 Victoria	105,282 97	14,815 89	1,524 53
36 Waterloo	100,018 65	10,298 02	864 50
37 Welland	122,970 48	114,725 04	3,821 22
38 Wellington	141,231 88	21,192 19	2,415 32
39 Wentworth	129,508 53	24,767 27	4,892 28
40 York	485,980 12	521,640 01	21,842 70
41 Algoma	73,972 48	14,880 11	2,214 43
42 Kenora	20,196 49	13,273 84	322 42
43 Manitoulin	41,336 58	14,753 86	1,036 45
44 Muskoka	69,587 63	7,303 68	1,001 08
45 Nipissing	42,673 69	5,183 98	797 86
46 Parry Sound	105,086 94	25,989 53	1,435 64
47 Rainy River	42,474 53	83,030 02	2,905 76
48 Sudbury	86,401 41	9,268 54	2,915 54
49 Timiskaming	124,622 31	97,072 10	4,641 13
50 Thunder Bay	65,850 16	13,615 54	3,419 33
Totals	5,906,611 78	1,528,128 49	113,386 52

SCHOOLS (Continued)

STATEMENT (Continued)

	Expenditure					
	Rent and Repairs, Fuel and Other Expenses		Total Expenditure		Value of School Sites, Buildings and Furniture	Value of Equipment
	$	c.	$	c.	$	$
1	38,622	11	132,194	43	428,980	14,082
2	63,970	58	239,514	45	367,016	33,374
3	52,374	83	216,794	84	460,298	18,253
4	23,731	76	114,008	55	152,412	25,361
5	20,941	60	98,573	98	125,600	15,285
6	55,580	40	190,080	18	384,746	26,189
7	52,998	24	207,164	08	484,737	24,104
8	26,650	19	143,663	01	191,130	18,690
9	21,496	07	95,315	21	128,902	10,749
10	75,484	15	304,118	92	543,205	31,467
11	21,594	30	114,627	79	197,431	13,471
12	8,457	45	62,177	68	51,301	6,176
13	22,192	05	86,971	28	172,800	10,825
14	49,835	09	247,830	84	338,708	30,605
15	73,067	29	275,713	03	381,575	28,250
16	52,390	77	231,582	46	635,050	25,336
17	53,303	43	269,181	63	373,200	26,805
18	18,859	07	129,096	72	202,269	19,313
19	53,568	56	323,120	18	441,382	35,920
20	27,729	28	129,556	40	143,987	12,945
21	46,609	16	148,797	54	446,726	19,965
22	73,708	45	293,347	45	535,605	28,215
23	27,121	16	130,983	06	268,675	14,902
24	42,540	36	263,011	65	437,841	33,116
25	48,224	83	196,920	79	399,730	22,179
26	60,156	86	211,857	60	359,307	20,659
27	41,518	20	168,504	68	307,895	15,908
28	46,211	29	174,590	22	318,620	23,049
29	19,882	51	112,620	57	138,260	11,345
30	19,271	50	96,664	05	170,786	10,739
31	13,771	82	83,934	16	91,700	10,553
32	32,900	51	198,780	77	396,050	40,440
33	69,844	97	328,172	51	565,365	34,930
34	16,893	13	95,103	39	138,426	12,379
35	37,172	02	158,795	41	202,745	13,517
36	40,727	40	151,908	57	263,920	13,105
37	63,979	60	305,496	34	723,352	15,738
38	64,737	93	229,577	32	353,315	39,660
39	71,446	71	230,614	79	616,474	26,383
40	427,249	36	1,456,712	19	2,999,718	58,091
41	23,249	19	114,316	21	183,404	11,197
42	8,668	81	42,461	56	46,534	2,386
43	10,373	18	67,500	07	60,500	6,265
44	16,937	90	94,830	29	124,400	11,540
45	12,881	35	61,536	88	81,249	4,992
46	26,450	28	158,962	39	183,478	19,541
47	15,398	64	143,808	95	190,810	6,098
48	44,175	51	142,761	00	278,388	10,522
49	78,993	98	305,329	52	371,000	19,885
50	28,503	64	111,388	67	136,855	9,784
	2,342.447	47	9,890,574	26	17,595,857	994,283

THE PUBLIC

V. TABLE E—FINANCIAL

	Receipts					
Cities	Legislative Grants	Municipal Grants (County)	Municipal Grants (Local) and Assessments	Debentures	Clergy Reserve Fund, Balances and Other Sources	Total Receipts
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1 Belleville	1,462 65	....	51,669 17	....	25,582 40	78,714 22
2 Brantford	5,472 44	....	212,596 34	....	18,133 44	236,202 22
3 Chatham	1,832 07	....	91,088 76	....	554 33	93,475 16
4 Fort William	4,691 34	....	172,854 31	2,900 00	292 90	180,738 55
5 Galt	1,666 74	....	89,000 00	....	1,198 92	91,865 66
6 Guelph	2,731 64	....	100,152 04	45,731 51	1,447 32	150,062 51
7 Hamilton	20,035 52	....	977,903 00	462,166 69	9,042 75	1,469,147 96
8 Kingston	4,061 72	....	115,160 00	149,940 66	3,075 37	272,237 75
9 Kitchener	3,239 41	....	149,143 73	56,955 83	1,822 06	211,161 03
10 London	14,248 60	....	515,084 13	511,693 12	26,700 22	1,067,726 07
11 Niagara Falls	1,219 65	....	99,000 00	5,306 66	15 40	105,541 71
12 Ottawa	14,850 28	....	635,483 29	510,000 00	75,673 09	1,236,006 66
13 Owen Sound	2,249 55	....	75,223 28	....	475 49	77,948 32
14 Peterborough	3,440 27	....	145,600 00	....	99,340 65	248,380 92
15 Port Arthur	4,724 15	....	116,000 00	....	9,257 65	129,981 80
16 St. Catharines	2,904 39	....	150,187 24	17,252 56	11,492 48	181,836 67
17 St. Thomas	3,361 24	....	101,150 00	....	5,031 76	109,543 00
18 Sarnia	2,574 22	....	89,003 36	....	5,427 85	97,005 43
19 Sault Ste. Marie	6,502 77	....	189,020 00	75,289 74	7,916 58	278,729 09
20 Stratford	3,831 43	....	101,695 32	23,606 00	1,735 76	130,868 51
21 Toronto	83,915 42	....	5,062,033 67	....	462,329 90	5,608,278 99
22 Welland	1,210 55	....	64,500 00	74,000 00	5,078 26	144,788 81
23 Windsor	4,813 31	....	330,381 05	645,022 56	6,806 53	987,023 45
24 Woodstock	1,751 91	....	55,267 65	....	2,635 47	59,655 03
Totals	196,791 27	....	9,689,196 34	2,579,865 33	781,066 58	13,246,919 52
Towns						
1 Alexandria	44 19	....	2,572 15	....	601 05	3,217 39
2 Alliston	163 46	....	7,346 13	....	403 26	7,912 85
3 Almonte	236 72	....	10,342 78	....	4,054 79	14,634 29
4 Amherstburg	137 87	....	14,779 51	....	1,038 38	15,955 76
5 Arnprior	317 94	....	19,218 59	....	1,515 76	21,052 29
6 Aurora	274 99	....	12,680 00	....	322 05	13,277 04
7 Aylmer	349 58	....	12,116 17	....	2,293 09	14,758 84
8 Bala	511 80	....	2,765 81	....	67 52	3,345 13
9 Barrie	833 17	....	43,895 15	....	470 50	45,198 82
10 Blenheim	183 00	....	9,057 51	....	861 16	10,101 67
11 Blind River	152 66	....	5,259 73	....	597 13	6,009 52
12 Bonfield	328 83	....	281 33	....	737 78	1,347 94
13 Bothwell	93 56	....	2,124 00	3,325 00	100 61	5,643 17
14 Bowmanville	398 33	....	14,450 00	....	154 64	15,002 97
15 Bracebridge	560 89	....	13,882 59	....	1,427 35	15,870 83
16 Brampton	514 23	..89 00	23,000 00	....	207 31	23,810 54
17 Bridgeburg	270 93	....	24,740 28	....	53 10	25,064 31
18 Brockville	1,600 91	....	53,000 00	....	1,124 49	55,725 40
19 Bruce Mines	970 48	....	3,531 00	....	1,209 81	5,711 29
20 Burlington	300 39	....	15,200 00	....	1,067 89	16,568 28
21 Cache Bay	860 62	....	4,165 60	....	18 85	5,045 07
22 Campbellford	363 55	....	16,540 00	....	349 83	17,253 38
23 Capreol	411 90	....	6,528 36	29,600 00	62 28	36,602 54
24 Carleton Place	483 08	....	20,475 00	....	70 41	21,028 49
25 Charlton	659 12	....	2,247 89	....	864 64	3,771 65
26 Chesley	304 86	....	8,826 37	....	1,524 62	10,655 85
27 Clinton	1,432 36	....	6,500 00	....	601 22	8,533 58
28 Cobalt	893 32	....	37,704 72	....	1,516 32	40,114 36
29 Cobourg	519 96	....	16,366 16	....	1,047 91	17,934 03
30 Cochrane	624 61	....	12,050 00	....	576 05	13,250 66
31 Collingwood	857 58	....	40,216 32	....	349 57	41,423 47
32 Copper Cliff	810 69	....	38,088 41	....	2,335 96	41,235 06

SCHOOLS (Continued)

STATEMENT (Continued)

	Expenditure													
	Teachers' Salaries		Sites and Building School Houses		Libraries, Maps, Apparatus and Other Equipment, Prizes and School Books		Rent and Repairs, Fuel and Other Expenses		Total Expenditure		Value School Sites, Buildings and Furniture	Value of Equipment
	$	c.	$	c.	$	c.	$	c.	$	c.	$	$
1	41,151	84	500	00	....		18,902	20	60,554	04	400,000	10,000
2	145,678	56	28,614	82	5,330	57	56,578	27	236,202	22	535,350	67,175
3	63,404	63	1,277	90	888	58	27,632	06	93,203	17	176,500	8,500
4	125,332	35	6,982	50	9,153	99	36,857	12	178,325	96	829,500	38,500
5	63,305	15	5,707	28	303	42	21,856	27	91,172	12	350,000	4,575
6	66,535	00	46,944	73	4,426	68	32,156	10	150,062	51	424,000	10,700
7	608,495	93	311,848	86	37,736	58	381,892	96	1,339,974	33	2,962,507	83,327
8	80,829	00	148,697	17	1,059	01	36,658	16	267,243	34	550,000	19,000
9	90,797	72	63,766	63	4,369	92	47,764	56	206,698	83	518,500	21,000
10	328,587	73	278,645	11	189	72	337,815	27	945,237	83	1,456,544	70,545
11	62,076	50	6,000	00	1,472	44	28,232	86	97,781	80	397,000	6,990
12	457,291	29	554,375	93	....		180,546	00	1,192,213	22	2,272,275	123,000
13	56,005	85	2,622	06	893	38	18,427	03	77,948	32	200,000	15,000
14	93,268	57	104,493	74	11,220	41	39,398	20	248,380	92	534,000	20,000
15	84,805	53	3,112	85	4,334	48	37,728	94	129,981	80	625,000	3,090
16	75,763	08	21,573	36	1,481	64	76,044	11	174,862	19	694,000	29,200
17	73,694	06	1,952	58	20	00	30,401	90	106,068	54	350,000	20,000
18	69,413	65	....		1,439	95	20,231	41	91,085	01	330,500	3,540
19	111,897	73	57,134	21	1,996	95	82,216	43	253,245	32	1,116,500	42,100
20	65,234	13	23,481	72	3,920	93	36,647	39	129,284	17	497,200	12,500
21	3,203,857	23	59,436	11	119,878	30	2,225,107	35	5,608,278	99	12,399,855	303,000
22	39,841	40	74,000	00	2,443	62	26,726	38	143,011	40	234,810	1,587
23	195,707	22	552,593	93	12,356	42	137,055	99	897,713	56	2,350,000	50,000
24	39,260	70	1,164	81	1,741	58	15,679	28	57,846	37	300,000	10,000
	6,242,234	85	2,354,926	30	226,658	57	3,952,556	24	12,776,375	96	30,504,041	973,329
1	1,834	75	141	78	65	20	782	67	2,824	40	6,500	450
2	4,864	60	....		....		2,662	10	7,526	70	40,000	205
3	7,639	82	103	85	87	70	6,802	92	14,634	29	15,235	271
4	9,090	00	....		515	70	4,767	84	14,373	54	50,000	500
5	11,675	00	2,018	25	14	73	6,624	66	20,332	64	26,700	496
6	9,700	00	26	80	57	95	3,281	61	13,066	36	35,000	1,000
7	9,349	50	1,586	44	388	25	3,367	49	14,691	68	25,000	300
8	2,120	00	77	30	24	76	694	16	2,916	22	10,000	200
9	31,817	19	465	97	204	90	12,644	45	45,132	51	220,000	14,800
10	6,952	44	....		50	00	2,932	25	9,934	69	25,000	3,300
11	3,335	25	418	93	90	49	1,283	79	5,128	46	12,000	197
12	900	00	1	58	....		55	60	957	18	....	175
13	1,850	00	3,163	58	....		609	72	5,623	30	20,000	150
14	11,500	94	741	47	....		2,457	24	14,699	65	46,000	863
15	9,990	63	485	43	199	54	5,194	23	15,869	83	25,700	550
16	16,994	00	514	30	231	09	6,071	15	23,810	54	65,650	550
17	12,955	13	5,246	82	953	17	5,909	19	25,064	31	102,500	550
18	34,843	23	889	97	515	05	19,228	38	55,476	63	140,000	5,200
19	3,575	00	70	92	....		1,375	05	5,020	97	29,600	1,000
20	10,722	12	104	22	472	81	5,188	14	16,487	29	100,000	500
21	3,354	50	593	36	15	15	817	87	4,780	88	6,000	1,000
22	11,730	25	....		60	87	2,568	80	14,359	92	50,000	2,500
23	5,130	00	26,387	78	....		1,672	34	33,190	12	55,000	5,000
24	14,208	39	1,971	74	96	88	4,557	39	20,834	40	66,500	500
25	2,120	57	103	00	10	00	560	89	2,794	46	4,350	200
26	7,038	79	122	91	34	96	2,999	45	10,196	11	35,000	320
27	6,725	61	....		....		1,462	59	8,188	20	42,500	500
28	23,487	50	38	00	84	95	14,104	66	37,715	11	71,000	10,500
29	13,526	18	1,238	44	136	45	3,000	91	17,901	98	85,000	3,500
30	8,498	78	644	00	....		4,039	48	13,182	26	40,000	2,000
31	28,306	42	....		78	44	13,038	61	41,423	47	112,450	11,300
32	21,703	99	....		296	96	10,034	98	32,035	93	110,000	5,000

THE PUBLIC

V. TABLE E—FINANCIAL

Towns	Receipts					
	Legislative Grants	Municipal Grants (County)	Municipal Grants (Local) and Assessments	Debentures	Clergy Reserve Fund, Balances and Other Sources	Total Receipts
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
33 Cornwall	1,662 95	....	16,563 99	....	1,975 72	20,202 66
34 Deseronto	246 77	180 12	8,625 00	....	679 63	9,731 52
35 Dresden	163 02	....	8,400 00	....	135 01	8,698 03
36 Dryden	1,097 07	....	7,661 52	....	1,721 37	10,479 96
37 Dundas	619 53	....	24,800 00	....	1,157 82	26,577 35
38 Dunnville	398 75	....	16,150 00	38,869 66	266 74	55,685 15
39 Durham	201 68	....	7,380 00	....	236 62	7,818 30
40 Eastview	229 68	....	12,068 84	....	6,392 69	18,691 21
41 Englehart	985 03	....	5,749 75	....	14 12	6,748 90
42 Essex	30 00	....	12,955 08	....	233 67	13,218 75
43 Ford	214 81	....	27,072 46	19,800 00	1,602 61	48,689 88
44 Forest	182 09	....	10,000 00	....	5 00	10,187 09
45 Fort Frances	427 11	....	24,500 00	....	1,614 41	26,541 52
46 Gananoque	405 22	....	15,936 94	....	424 02	16,766 18
47 Goderich	510 37	....	19,534 78	....	363 28	20,408 43
48 Gore Bay	854 09	....	3,571 72	....	967 34	5,393 15
49 Gravenhurst	1,713 99	....	11,467 51	....	76 22	13,257 72
50 Grimsby	336 56	....	9,964 44	....	183 61	10,484 61
51 Haileybury	548 35	....	17,947 55	....	170 58	18,666 48
52 Hanover	322 95	....	13,643 38	....	220 94	14,187 27
53 Harriston	171 60	....	7,947 26	....	648 50	8,767 36
54 Hawkesbury	76 50	....	6,510 96	....	2,115 29	8,702 75
55 Hespeler	400 16	....	24,954 52	16,843 61	5,525 08	47,723 37
56 Huntsville	507 62	....	10,705 12	....	138 00	11,350 74
57 Ingersoll	620 10	....	21,861 00	....	3,703 33	26,184 43
58 Iroquois Falls	1,446 02	....	23,568 58	....	910 33	25,924 93
59 Kearney	634 50	....	1,476 31	....	595 30	2,706 11
60 Keewatin	1,913 25	....	10,500 71	....	926 96	13,340 92
61 Kenora	1,073 86	....	33,950 00	....	1,937 84	36,961 70
62 Kincardine	235 08	....	9,174 35	....	1,795 37	11,204 80
63 Kingsville	308 24	200 00	52,265 00	....	1,229 43	54,002 67
64 Latchford	779 88	....	4,162 06	....	322 42	5,264 36
65 Leamington	504 70	....	23,999 80	....	4 00	24,508 50
66 Leaside	33 77	....	6,666 23	....	542 78	7,242 78
67 Lindsay	795 30	....	38,023 97	....	1,145 86	39,965 13
68 Listowel	363 41	....	11,100 00	....	83 53	11,546 94
69 Little Current	1,282 50	....	4,916 70	....	1,093 42	7,292 62
70 Massey	1,357 34	....	3,290 00	....	248 34	4,895 68
71 Matheson	696 50	....	6,546 83	....	222 59	7,465 92
72 Mattawa	396 00	....	545 69	....	2,544 32	3,486 01
73 Meaford	348 80	....	16,100 00	....	441 87	16,890 67
74 Merritton	240 79	....	16,189 00	29,606 31	6,567 71	52,603 81
75 Midland	873 24	....	85,714 75	....	486 68	87,074 67
76 Milton	258 34	....	8,905 94	....	677 34	9,841 62
77 Mimico	452 59	....	33,864 92	23,000 00	2,193 83	59,511 34
78 Mitchell	301 38	....	10,200 00	....	110 80	10,612 18
79 Mount Forest	175 07	....	6,000 00	....	268 66	6,443 73
80 Napanee	411 81	....	12,018 00	....	2,868 85	15,298 66
81 New Liskeard	467 06	....	14,519 50	50,370 77	857 21	66,214 54
82 Newmarket	378 91	....	18,000 00	....	2,406 99	20,785 90
83 New Toronto	448 64	....	30,661 37	76,252 90	282 92	107,645 83
84 Niagara	206 41	9 30	6,950 05	....	654 45	7,820 21
85 North Bay	1,489 99	....	68,303 09	....	38,366 89	108,159 97
86 Oakville	347 95	....	47,324 36	....	1,221 59	48,893 90
87 Orangeville	505 48	....	12,483 44	....	514 82	13,503 74
88 Orillia	2,088 95	....	46,029 36	....	36,923 08	85,041 39
89 Oshawa	1,186 81	....	66,100 00	6,585 39	2,280 17	76,152 37
90 Palmerston	209 55	....	6,615 75	....	75 16	6,900 46
91 Paris	679 11	....	23,500 00	....	964 01	25,143 12

SCHOOLS (Continued)

STATEMENT (Continued)

	Expenditure						
	Teachers' Salaries	Sites and Building School Houses	Libraries, Maps, Apparatus and Other Equipment, Prizes and School Books	Rent and Repairs, Fuel and Other Expenses	Total Expenditure	Value of School Sites, Buildings and Furniture	Value of Equipment
	$ c.	$ c.	$ c.	$ c.	$ c.	$	$
33	14,720 00	....	56 00	4,617 61	19,393 61	75,000	4,500
34	7,560 00	....	63 63	1,901 07	9,524 70	12,225	1,775
35	6,539 99	....	94 28	1,662 06	8,296 33	30,000	400
36	5,660 00	832 48	52 70	2,535 67	9,080 85	7,000	500
37	17,856 30	580 75	64 45	7,903 41	26,404 91	175,115	16,325
38	10,633 00	41,481 44	....	3,279 51	55,393 95	63,369	4,500
39	6,060 35	....	45 54	1,712 41	7,818 30	12,000	400
40	9,905 46	431 21	....	7,829 65	18,166 32	45,200	252
41	3,972 32	1,682 98	82 35	990 94	6,728 59	9,500	750
42	7,957 90	2,752 07	23 00	2,145 75	12,878 72	80,000	1,000
43	12,960 87	20,609 22	3,008 41	11,662 14	48,240 64	40,000	1,000
44	6,018 75	88 15	19 30	2,573 36	8,699 56	30,000	361
45	13,904 00	1,344 47	2,464 52	8,030 46	25,743 45	73,000	2,000
46	12,195 00	225 00	131 00	3,576 53	16,127 53	40,000	3,000
47	13,774 67	....	....	6,629 68	20,404 35	45,000	1,300
48	3,630 03	500 00	....	745 81	4,875 84	6,000	350
49	7,428 00	....	112 50	5,339 56	12,880 06	15,000	580
50	7,621 83	....	....	2,446 16	10,067 99	3,500	600
51	12,325 40	1,037 07	129 45	5,143 33	18,635 25	40,000	500
52	11,248 61	253 92	81 44	2,603 30	14,187 27	33,000	1,500
53	4,160 08	1,795 01	35 11	1,914 23	7,904 43	30,000	3,800
54	3,946 15	....	....	822 79	4,768 94	15,000	1,000
55	13,819 43	19,509 46	....	10,818 50	44,147 39	120,000	3,000
56	8,537 03	686 94	....	1,946 65	11,170 62	50,000	688
57	16,574 99	153 40	303 76	8,506 22	25,538 37	225,000	500
58	9,117 91	1,526 01	733 82	12,801 80	24,179 54	104,000	6,000
59	2,120 64	....	100 62	334 55	2,555 81	8,000	850
60	7,249 25	807 78	13 81	3,996 94	12,067 78	50,000	1,000
61	26,596 00	358 65	....	10,007 05	36,961 70	50,000	70
62	6,897 50	....	....	3,976 72	10,874 22	24,000	447
63	11,730 00	38,369 47	128 93	2,934 05	53,162 45	150,000	1,500
64	3,020 00	57 13	....	1,904 30	4,981 43	6,500	300
65	16,167 31	5,025 94	....	3,315 25	24,508 50	152,000	3,500
66	2,580 00	2,761 71	388 36	929 61	6,659 68	1,500	1,800
67	27,090 00	634 61	....	11,803 19	39,527 80	250,000	1,200
68	9,211 45	....	....	2,330 12	11,541 57	40,000	1,500
69	4,790 00	220 00	219 10	1,310 45	6,539 55	11,400	561
70	3,990 00	....	91 40	814 04	4,895 44	3,500	450
71	2,882 00	2,140 20	123 76	2,319 31	7,465 27	37,115	124
72	1,075 38	....	69 00	431 56	1,575 94	3,000	500
73	11,572 70	792 28	324 25	3,869 55	16,558 78	25,000	3,000
74	8,505 20	30,119 17	28 60	7,379 64	46,032 61	49,000	5,000
75	35,449 87	18,968 58	1,865 52	30,777 17	87,061 14	300,000	25,000
76	7,340 00	....	12 12	2,462 01	9,814 13	30,000	300
77	20,995 67	28,085 54	....	9,524 68	58,605 89	198,000	2,500
78	7,564 88	405 31	....	2,563 35	10,533 54	50,600	1,500
79	4,470 70	....	....	1,885 15	6,355 85	30,000	3,000
80	11,732 00	374 21	....	3,150 43	15,256 64	37,000	3,000
81	11,066 47	46,880 57	58 95	4,401 43	62,407 42	80,000	595
82	14,367 75	2,314 15	1,096 78	3,007 22	20,785 90	160,000	2,000
83	14,603 20	79,429 70	380 00	13,170 64	107,583 54	120,000	1,500
84	5,157 75	597 00	116 83	1,545 92	7,417 50	17,500	2,500
85	40,070 03	40,460 93	1,398 95	24,561 25	106,491 16	250,000	18,000
86	13,060 00	28,541 22	427 30	6,865 38	48,893 90	74,000	750
87	10,230 00	8 35	128 18	2,529 88	12,896 41	20,000	4,000
88	30,506 14	5,109 45	80 04	10,417 66	46,113 29	132,000	3,000
89	47,503 84	12,711 39	595 05	15,342 09	76,152 37	300,000	17,500
90	5,201 52	96 33	68 85	1,453 46	6,820 16	40,000	1,000
91	15,503 75	943 61	374 22	6,858 63	23,680 21	100,000	2,000

THE PUBLIC

V. TABLE E—FINANCIAL

Receipts

Towns	Legislative Grants	Municipal Grants (County)	Municipal Grants (Local) and Assessments	Debentures	Clergy Reserve Fund, Balances and Other Sources	Total Receipts
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
92 Parkhill.......	122 40	....	3,900 00	806 65	306 26	5,135 31
93 Parry Sound...	859 40	....	25,122 84	....	1,243 72	27,225 96
94 Pembroke.....	592 01	340 12	30,881 99	7,998 34	3,672 62	43,485 08
95*Penetanguish'e.	487 77	380 40	23,998 93	....	713 14	25,580 24
96 Perth.........	348 90	....	16,743 05	....	143 98	17,235 93
97 Petrolia.......	384 09	....	16,500 00	....	1,458 15	18,342 24
98 Picton........	336 83	....	13,055 93	....	186 86	13,579 62
99 Port Colborne..	442 59	....	31,052 00	....	3,346 25	34,840 84
100 Port Hope.....	585 21	100 00	17,500 00	....	1,490 29	19,675 50
101 Powassan......	861 36	....	3,424 00	....	1,220 25	5,505 61
102 Prescott.......	315 43	....	10,645 00	....	151 93	11,112 36
103 Preston........	549 38	....	33,673 47	....	2,050 60	36,273 45
104 Rainy River...	3,054 98	....	12,909 39	....	155 81	16,120 18
105 Renfrew.......	1,563 83	287 28	19,900 00	....	178 31	21,929 42
106 Ridgetown.....	247 06	....	10,825 25	....	191 38	11,263 69
107 Rockland......	31 86	....	2,372 22	....	63 20	2,467 28
108 St. Mary's.....	545 65	....	17,600 00	3,500 00	2,549 73	24,195 38
109 Sandwich......	284 19	....	40,095 88	....	9,477 64	49,857 71
110 Seaforth.......	196 16	....	8,346 03	....	469 53	9,011 72
111 Simcoe........	931 25	....	21,244 26	....	510 89	22,686 40
112 Sioux Lookout.	1,706 96	....	7,785 56	....	....	9,492 52
113 Smith's Falls...	789 01	....	32,000 00	....	568 70	33,357 71
114 Southampton..	206 29	....	8,628 63	....	877 46	9,712 38
115 Stayner.......	118 38	....	4,500 00	....	3,748 99	8,367 37
116 Strathroy......	332 96	....	11,825 50	....	94 94	12,253 40
117 Sturgeon Falls..	223 54	....	8,215 25	....	537 76	8,976 55
118 Sudbury.......	1,117 62	....	51,081 08	3,310 00	4,772 30	60,281 00
119 Thessalon......	342 76	....	10,149 56	....	747 63	11,239 95
120 Thornbury.....	100 31	....	4,229 19	....	618 19	4,947 69
121 Thorold.......	365 68	....	20,011 93	....	2,329 45	22,707 06
122 Tilbury.......	74 47	....	3,851 29	....	1,000 48	4,926 24
123 Tillsonburg....	385 93	....	19,300 00	....	....	19,685 93
124 Timmins......	428 90	....	20,000 00	....	3,162 43	23,591 33
125 Trenton.......	768 50	....	31,625 00	....	1,776 46	34,169 96
126 Trout Creek...	586 36	....	1,350 00	....	888 05	2,824 41
127 Uxbridge......	202 97	....	7,800 00	....	302 86	8,305 83
128 Vankleek Hill..	77 91	....	4,605 73	....	2,304 56	6,988 20
129 Walkerton.....	176 35	....	7,170 78	....	742 18	8,089 31
130 Walkerville....	1,604 13	....	80,744 27	....	3,646 09	85,994 49
131 Wallaceburg...	461 20	....	18,839 94	....	1,976 79	21,277 93
132 Waterloo......	531 05	....	33,065 13	4,500 00	848 89	38,945 07
133 Webbwood....	1,171 28	....	4,812 66	....	456 17	6,440 11
134 Weston........	397 43	....	26,453 68	....	8,186 88	35,037 99
135 Whitby.......	371 96	....	14,800 00	22,019 14	384 66	37,575 76
136 Wiarton.......	193 36	....	12,355 84	....	132 79	12,681 99
137 Wingham......	258 09	....	8,601 19	....	873 28	9,732 56
Totals.........	78,016 56	1,586 22	2,419,181 59	336,387 77	240,520 98	3,075,693 12
Totals						
1 Rural Schools....	1,880,449 66	72,879 65	6,433,590 68	907,360 22	4,860,872 00	14,155,152 21
2 Cities...........	196,791 27	....	9,689,196 34	2,579,865 33	781,066 58	13,246,919 52
3 Towns..........	78,016 56	1,586 22	2,419,181 59	336,387 77	240,520 98	3,075,693 12
4 Villages.........	102,478 09	6,438 72	592,077 56	14,170 13	188,782 00	903,946 50
5 Grand T'tls, 1921.	2,257,735 58	80,904 59	19,134,046 17	3,837,783 45	6,071,241 56	31,381,711 35
6 Grand T'tls, 1920.	1,479,164 85	70,221 00	17,050,127 40	3,614,190 32	4,912,145 93	27,125,849 50
7 Increases........	778,570 73	10,683 59	2,083,918 77	223,593 13	1,159,095 63	4,255,861 85
8 Percentages......	7.19	.25	60.97	12.22	19.34	....

*Including Protestant Separate School.

SCHOOLS (Concluded)

STATEMENT (Concluded)

	Expenditure						
	Teachers' Salaries	Sites, and Building School Houses	Libraries, Maps, Apparatus, and Other Equipment, Prizes and School Books	Rent and Repairs, Fuel and Other Expenses	Total Expenditure	Value of School Sites, Buildings and Furniture	Value of Equipment
	$ c.	$ c.	$ c.	$ c.	$ c.	$	$
92	3,015 00	806 65	27 30	972 12	4,821 07	6,500	200
93	19,480 66	....	59 75	7,666 05	27,206 46	95,000	5,000
94	23,680 40	323 04	121 64	18,133 51	42,258 59	200,000	1,349
95	18,755 18	538 20	269 42	5,747 17	25,309 97	75,000	800
96	10,976 93	2,451 75	77 55	3,113 48	16,619 71	50,000	1,500
97	12,163 64	....	211 78	5,463 21	17,838 63	43,000	3,000
98	9,989 09	313 52	17 75	3,202 88	13,523 24	20,000	2,000
99	17,900 00	3,444 72	....	10,009 71	31,354 43	125,000	1,050
100	14,397 00	412 20	....	3,836 11	18,645 31	62,400	2,000
101	3,585 00	915 00	....	675 59	5,175 59	10,000	1,000
102	7,957 14	110 50	....	3,014 66	11,082 30	21,160	1,500
103	21,165 14	4,892 07	1,379 70	7,145 37	34,582 28	160,000	7,000
104	10,670 00	441 97	....	4,985 67	16,097 64	26,000	2,000
105	14,593 72	....	....	7,335 70	21,929 42	80,000	1,000
106	7,057 00	....	125 00	3,224 06	10,406 06	30,000	1,500
107	1,873 00	160 82	8 01	357 55	2,399 38	3,010	130
108	13,568 09	2,263 44	....	4,664 69	20,496 22	75,000	1,500
109	18,151 31	12,443 47	727 43	18,535 50	49,857 71	100,000	300
110	6,386 00	42 04	21 25	1,890 01	8,339 30	12,500	500
111	14,143 44	568 42	....	7,650 39	22,362 25	55,000	609
112	5,952 50	411 79	....	3,128 23	9,492 52	21,000	700
113	24,147 88	183 35	....	9,026 48	33,357 71	180,000	16,000
114	6,425 00	200 00	81 75	1,763 91	8,470 66	20,000	464
115	3,609 88	....	....	1,053 55	4,663 43	10,000	243
116	9,562 89	....	....	2,687 58	12,250 47	23,000	462
117	5,659 00	....	287 26	2,975 77	8,922 03	35,000	5,000
118	30,665 12	7,484 29	23 98	18,586 02	56,759 41	272,500	1,600
119	7,445 00	812 90	125 38	1,889 61	10,272 89	29,000	460
120	3,848 81	....	35 00	1,058 90	4,942 71	33,000	800
121	12,817 69	582 84	58 20	9,126 56	22,585 29	84,000	500
122	2,860 00	84 30	104 46	584 71	3,633 47	20,000	256
123	14,162 49	1,353 34	418 36	3,436 30	19,370 49	145,000	500
124	12,938 19	517 10	581 05	7,451 11	21,487 45	45,000	6,000
125	23,135 00	1,427 63	108 95	7,808 27	32,479 85	101,400	4,400
126	1,848 64	....	....	890 91	2,739 55	2,700	300
127	6,463 50	....	....	1,832 93	8,296 43	22,000	500
128	3,156 62	....	....	1,462 71	4,619 33	10,000	1,000
129	5,910 00	....	65 60	1,976 91	7,952 51	20,000	2,700
130	45,064 27	1,272 48	1,807 22	31,229 14	79,373 11	550,000	15,000
131	14,826 50	478 37	....	3,981 83	19,286 70	40,000	800
132	24,063 44	5,367 45	1,242 21	8,233 57	38,906 67	50,500	5,600
133	4,320 00	....	54 12	1,421 88	5,796 00	10,000	350
134	21,104 78	5,650 57	150 00	7,865 47	34,770 82	144,000	950
135	9,163 25	21,670 31	325 20	6,042 27	37,201 03	78,000	3,000
136	6,980 64	4,221 38	....	1,479 97	12,681 99	19,000	300
137	6,946 10	396 63	3 50	1,845 85	9,192 08	50,000	300
	1,598,554 58	571,102 24	28,796 70	725,565 76	2,924,019 28	9,116,379	342,228
1	5,906,611 78	1,528,128 49	113,386 52	2,342,447 47	9,890,574 26	17,595,857	994,283
2	6,242,234 85	2,354,926 30	226,658 57	3,952,556 24	12,776,375 96	30,504,041	973,329
3	1,598,554 58	571,102 24	28,796 70	725,565 76	2,924,019 28	9,116,379	342,228
4	488,687 30	64,632 72	9,302 93	196,580 43	759,203 38	2,150,966	120,312
5	14,236,088 51	4,518,789 75	378,144 72	7,217,149 90	26,350,172 88	59,367,243	2,430,152
6	12,056,056 57	4,327,472 49	302,422 08	6,158,095 65	22,844,046 79	53,432,740	2,008,694
7	2,180,031 94	191,317 26	75,722 64	1,059,054 25	3,506,126 09	5,934,503	421,458
8	54.02	17.14	1.43	27.38	....	....	......

Cost per pupil, enrolled attendance: Rural Schools, $45.87; Cities, $67.21; Towns, $40.80; Villages, $31.74; Province, $52.57.

ROMAN CATHOLIC

I. TABLE F—FINANCIAL

Rural Schools	Receipts				
	Legislative Grants	Municipal Grants and Assessments	Debentures	Balances, Subscribed and Other Sources	Total Amount Received
	$ c.	$ c.	$ c.	$ c.	$ c.
1 Bruce	7,390 64	11,099 04	....	7,566 14	26,055 82
2 Carleton	5,155 71	18,200 05	800 00	9,168 55	33,324 31
3 Essex	13,708 78	34,872 52	497 99	15,862 77	64,942 06
4 Frontenac	8,064 28	4,472 37	....	7,342 21	19,878 86
5 Grey	4,471 11	6,738 99	....	3,446 84	14,656 94
6 Hastings	3,591 71	3,011 16	....	4,839 43	11,442 30
7 Huron	5,104 94	7,671 94	....	6,796 73	19,573 61
8 Kent	5,210 67	11,587 86	....	6,799 36	23,597 89
9 Lambton	309 97	2,507 65	....	2,281 07	5,098 69
10 Lanark	2,590 80	1,808 31	....	1,457 99	5,857 10
11 Leeds and Grenville	1,184 19	295 18	....	1,482 82	2,962 19
12 Lennox and Addington	1,382 13	809 69	....	778 30	2,970 12
13 Middlesex	2,403 77	4,776 24	....	1,389 55	8,569 56
14 Norfolk	548 05	1,226 30	....	1,027 25	2,801 60
15 Northumberland and Durham	2,788 97	2,971 20	....	2,694 56	8,454 73
16 Ontario	1,173 97	1,216 37	....	2,074 90	4,465 24
17 Peel	106 45	1,076 20	....	536 10	1,718 75
18 Perth	7,048 78	9,671 80	....	6,441 03	23,161 61
19 Peterborough	2,911 27	4,843 32	207 00	1,598 88	9,560 47
20 Prescott and Russell	2,227 06	78,671 58	975 76	43,169 35	125,043 75
21 Renfrew	14,962 86	11,953 13	....	23,870 93	50,786 92
22 Simcoe	1,655 48	8,444 95	....	3,768 38	13,868 81
23 Stormont, Dundas and Glengarry	14,943 66	15,963 27	4,000 00	19,004 62	53,911 55
24 Victoria	1,628 21	1,821 49	....	773 51	4,223 21
25 Waterloo	5,411 56	8,449 87	....	8,580 13	22,441 56
26 Wellington	2,983 57	5,515 31	....	2,246 18	10,745 06
27 Districts	37,288 09	63,560 28	40,877 47	67,132 20	208,858 04
Totals	156,246 68	323,236 07	47,358 22	252,129 78	778,970 75
Cities					
1 Belleville	185 36	6,680 00	....	1,281 55	8,146 91
2 Brantford	412 81	13,636 13	....	10,490 75	24,539 69
3 Chatham	293 44	15,808 67	....	21,070 21	37,172 32
4 Fort William	1,148 30	37,759 51	....	2,003 81	40,911 62
5 Galt	91 82	3,213 86	....	1,123 24	4,428 92
6 Guelph	371 10	17,799 07	....	204 71	18,374 88
7 Hamilton	2,726 84	71,422 22	96,197 26	30,279 48	200,625 80
8 Kingston	546 99	23,507 61	....	7,539 85	31,594 45
9 Kitchener	708 06	31,177 14	....	97,767 21	129,652 41
10 London	1,415 72	38,471 27	....	46,405 62	86,292 61
11 Niagara Falls	191 92	8,443 21	....	3,598 41	12,233 54
12 Ottawa	......	227,240 92	....	10,854 22	238,095 14
13 Owen Sound	101 61	3,312 80	....	1,618 64	5,033 05
14 Peterborough	723 55	24,350 43	....	....	25,073 98
15 Port Arthur	582 72	16,426 50	....	360 10	17,369 32
16 St. Catharines	322 75	21,197 35	....	26,456 07	47,976 17
17 St. Thomas	162 54	11,866 64	....	2,650 11	14,679 29
18 Sarnia	216 44	8,560 17	....	3,757 76	12,534 37
19 Sault Ste. Marie	1,233 16	54,493 70	74,800 00	1,017 60	131,544 46
20 Stratford	265 62	11,325 52	....	124 81	11,715 95
21 Toronto	6,328 34	498,843 23	409,075 00	79,717 78	993,964 35
22 Windsor	1,123 37	90,940 78	14,500 00	4,298 75	110,862 90
23 Woodstock	95 96	2,751 95	....	604 02	3,451 93
Totals	19,248 42	1,239,228 68	594,572 26	353,224 70	2,206,274 06

SEPARATE SCHOOLS

STATEMENT, ETC.

	Expenditure						
	Teachers' Salaries	Sites and Building School Houses	Libraries, Maps, Apparatus, Prizes and School Books	All Other Purposes	Total Amount Expended	Value of School Sites, Buildings and Furniture	Value of Equipment
	$ c.	$ c	$ c.	$ c.	$ c	$	$
1	13,002 50	1,652 22	393 67	2,739 00	17,787 39	38,850	2,625
2	17,437 65	1,513 08	159 15	4,631 99	23,741 87	33,836	1,668
3	32,967 52	9,665 63	996 18	9,902 42	53,531 75	99,754	5,600
4	9,707 83	389 19	554 30	1,158 79	11,810 11	14,950	1,679
5	7,576 70	452 22	80 96	1,433 06	9,542 94	12,600	1,198
6	5,121 63	595 11	42 55	758 50	6,517 79	7,200	1,770
7	10,063 18	1,445 36	357 78	2,381 51	14,247 83	21,700	2,458
8	8,875 25	1,424 33	111 10	5,813 34	16,224 02	23,466	2,352
9	970 00	762 14	....	1,756 44	3,488 58	9,000	345
10	3,250 95	33 00	428 41	380 07	4,092 43	5,400	460
11	1,060 42	323 19	....	171 57	1,555 18	1,500	245
12	1,735 90	258 60	10 83	90 58	2,095 91	3,300	325
13	4, 810 05	397 97	128 60	975 15	6,311 77	9,900	723
14	1,015 00	254 64	17 45	294 69	1,581 78	4,000	171
15	4,792 00	866 85	24 14	399 70	6,082 69	20,900	1,067
16	2,117 50	324 36	97 72	531 86	3,071 44	5,000	375
17	740 00	....	28 77	430 70	1,199 47	1, 00	400
18	12,084 00	1,584 06	219 34	5,044 69	18,932 09	78,550	2,820
19	5,247 45	154 54	223 14	1,720 31	7,345 44	20,600	1,550
20	63,376 28	7,553 69	1,212 64	20,774 11	92,916 72	198,237	6,002
21	20,095 01	10,178 50	283 19	8,232 16	38,788 86	81,350	6,552
22	5,560 00	108 08	61 79	5,728 94	11,458 81	27,000	1,200
23	25,255 50	8,304 19	487 09	10,096 80	44,143 58	97,371	3,936
24	2,864 76	487 75	27 17	251 45	3,631 13	19,500	1,470
25	10,130 01	764 58	222 62	3,842 62	14,959 83	34,750	1,931
26	5,919 70	320 79	18 08	1,460 49	7,719 06	11,400	925
27	78,093 46	63,675 68	2,140 18	48,911 56	192,820 88	174,859	4,009
	353,870 25	113,489 75	8,326 85	139,912 50	615,599 35	1,056,473	53,856
1	2,681 25	....	....	4,236 91	6,918 16	100,000	1,000
2	9,073 12	8,927 02	185 20	6,354 35	24,539 69	60,000	1,100
3	5,743 62	3,422 91	74 83	4,354 74	13,596 10	55,000	2,114
4	18,889 35	9,068 85	....	12,953 42	40,911 62	250,000	760
5	3,136 50	464 09	32 40	795 93	4,428 92	9,800	240
6	7,315 35	914 40	573 53	7,317 13	16,120 41	75,000	1,000
7	46,177 13	54,575 97	8,391 24	35,383 27	144,527 61	630,000	6,500
8	10,020 07	15,875 66	....	5,698 72	31,594 45	55,000	1,500
9	11,972 04	106,448 58	398 20	4,931 00	123,749 82	180,000	2,000
10	20,349 87	46,973 79	2,596 18	13,873 56	83,793 40	280,000	5,000
11	4,945 00	1,011 40	80 89	1,802 30	7,839 59	60,000	569
12	151,675 76	5,973 49	2,070 09	78,375 80	238,095 14	820,898	47,307
13	2,025 00	905 35	123 44	1,550 07	4,603 86	10,000	460
14	15,616 00	270 37	91 00	8,963 56	24,940 93	175,000	2,000
15	8,280 00	710 84	....	8,367 95	17,358 79	97,157	450
16	9,101 97	31,617 36	224 75	6,921 84	47,865 92	125,000	2,000
17	3,019 00	843 73	373 82	3,414 51	7,651 06	33,000	1,420
18	3,260 00	2,372 24	117 95	2,832 19	8,582 38	33,000	1,440
19	24,462 39	9,357 67	42 33	82,410 00	116,272 39	275,000	1,000
20	5,014 15	1,694 08	75 80	4,781 17	11,565 20	20,000	1,483
21	243,058 63	391,428 04	2,573 79	356,903 89	993,964 35	2,376,943	117,009
22	34,187 53	35,000 03	5,707 03	33,967 53	108,862 12	1,000,000	5,438
23	1,691 25	....	....	1,720 25	3,411 50	20,000	1,265
	641,694 98	727,855 87	23,732 47	687,910 09	2,081,193 41	6,740,798	203,055

ROMAN CATHOLIC

I. TABLE F.—FINANCIAL

Towns	Receipts				
	Legislative Grants	Municipal Grants and Assessments	Debentures	Balances, Subscribed and Other Sources	Total Amount Received
	$ c.	$ c.	$ c.	$ c.	$ c.
1 Alexandria	288 99	7,445 02	....	1,007 14	8,741 15
2 Almonte	93 53	1,580 50	....	2,148 62	3,822 65
3 Amherstburg	256 67	6,700 00	....	166 22	7,123 89
4 Arnprior	267 85	8,935 09	....	923 48	10,126 42
5 Barrie	82 90	3,172 09	....	471 39	3,726 38
6 Blind River	159 75	4,707 67	....	326 12	5,193 54
7 Bonfield	......	1,553 33	....	1,397 37	2,950 70
8 Brockville	226 71	6,819 87	....	518 34	7,564 92
9 Cache Bay	600 04	429 70	....	420 26	1,450 00
10 Campbellford	......	500 00	....	6,000 00	6,500 00
11 Charlton	407 11	1,353 77	....	248 36	2,009 24
12 Chelmsford	......	2,412 38	....	530 60	2,942 98
13 Cobalt	376 10	14,088 27	....	9,300 64	23,765 01
14 Cobourg	119 18	3,900 00	....	802 07	4,821 25
15 Cochrane	684 01	2,079 15	....	1,928 58	4,691 74
16 Collingwood	62 64	3,650 00	....	25 71	3,738 35
17 Cornwall	471 73	13,069 87	....	817 13	14,358 73
18 Dundas	97 81	2,901 31	....	399 30	3,398 42
19 Eastview	......	9,790 97	9,413 00	477 08	19,681 05
20 Ford	296 80	15,410 20	....	....	15,707 00
21 Fort Frances	77 16	3,618 78	....	2,277 90	5,973 84
22 Gananoque	......	....	....	31,938 35	31,938 35
23 Goderich	71 32	1,134 62	....	583 82	1,789 76
24 Hanover	50 72	1,516 39	....	599 25	2,166 36
25 Haileybury	196 65	7,925 00	....	1,948 43	10,070 08
26 Hawkesbury	......	8,452 58	....	4,792 12	13,244 70
27 Hespeler	31 04	1,120 98	....	6,708 51	7,860 53
28 Ingersoll	104 47	2,663 71	....	353 82	3,122 00
29 Iroquois Falls	......	6,809 71	43,650 00	2,104 80	52,564 51
30 Kearney	390 40	761 22	....	149 41	1,301 03
31 Keewatin	287 44	700 00	....	128 17	1,115 61
32 Kenora	139 53	3,060 53	....	3,892 25	7,092 31
33 Lindsay	235 79	8,418 53	....	731 67	9,385 99
34 Little Current	665 28	580 50	....	226 22	1,472 00
35 Massey	262 68	1,506 45	....	134 23	1,903 36
36 Mattawa	877 00	4,000 00	....	1,181 30	6,058 30
37 Merritton	60 65	2,912 54	....	957 58	3,930 77
38 Mount Forest	64 05	1,362 19	....	802 50	2,228 74
39 New Liskeard	8 61	1,500 00	....	328 96	1,837 57
40 Newmarket	36 31	1,362 62	....	1,429 82	2,828 75
41 North Bay	822 90	36,792 08	....	11,184 87	48,799 85
42 Oakville	43 97	1,325 85	....	417 75	1,787 57
43 Orillia	119 11	4,372 42	....	3,845 80	8,337 33
44 Oshawa	124 94	4,075 00	....	325 83	4,525 77
45 Paris	59 18	788 93	....	1,504 40	2,352 51
46 Parkhill	26 97	921 00	......	266 02	1,213 99
47 Pembroke	406 83	13,634 40	....	1,050 81	15,092 04
48 Perth	148 32	1,934 80	....	527 64	2,610 76
49 Picton	30 59	999 14	....	674 99	1,704 72
50 Prescott	101 75	3,026 58	....	5,102 54	8,230 87
51 Preston	171 52	6,642 70	....	8,121 19	14,935 41
52 Rainy River	412 76	916 34	....	174 63	1,503 73
53 Renfrew	277 35	10,850 11	....	1,184 67	12,312 13
54*Rockland	......	7,777 25	....	....	7,777 25

*No report for 1921 received; figures of preceding year.

SEPARATE SCHOOLS (Continued)

STATEMENT (Continued)

	Expenditure						
	Teachers' Salaries	Sites and Building School Houses	Libraries, Maps, Apparatus, Prizes and School Books	All Other Purposes	Total Amount Expended	Value of School Sites, Buildings and Furniture	Value of Equipment
	$ c.	$ c.	$ c.	$ c.	$ c.	$	$
1	4,600 00	305 33	78 70	3,757 12	8,741 15	30,000	600
2	1,891 00	80 00	37 10	409 91	2,418 01	6,000	500
3	2,534 84	1,297 31	203 30	3,002 22	7,037 67	38,000	2,006
4	5,274 75	812 95	93 00	2,550 47	8,731 17	25,000	332
5	1,950 00	....	25 00	1,372 86	3,347 86	10,500	772
6	2,700 00	671 33	104 74	1,294 00	4,770 07	10,000	350
7	1,350 00	144 58	....	212 75	1,707 33	2,900	120
8	2,552 50	1,855 09	369 25	2,532 30	7,309 14	35,000	200
9	1,150 00	205 00	....	95 00	1,450 00	3,000	75
10	500 00	....	....	6,000 00	6,500 00	6,500	100
11	897 87	132 00	18 55	243 10	1,291 52	2,000	500
12	2,000 00	171 54	....	516 55	2,688 09	4,000	325
13	8,794 96	1,762 00	813 88	11,999 13	23,369 97	47,000	225
14	2,800 00	....	100 00	1,265 15	4,165 15	17,500	670
15	2,440 00	76 32	50 44	2,031 36	4,598 12	17,000	129
16	1,900 00	....	....	1,482 74	3,382 74	21 500	460
17	9,785 38	....	181 50	4,391 85	14,358 73	50,000	8,000
18	1,340 00	....	27 00	414 95	1,781 95	5,000	295
19	5,564 73	5,515 71	215 49	7,710 83	19,006 76	60,000	68
20	3,500 00	9,500 00	500 00	1,707 00	15,207 00	9,000	210
21	2,202 50	....	77 09	2,509 85	4,789 44	45,000	100
22	600 00	30,225 93	....	....	30,825 93	33,000	300
23	750 00	287 99	....	726 52	1,764 51	8,300	386
24	1,720 00	185 99	....	260 37	2,166 36	500	119
25	5,224 50	1,764 14	....	2,727 84	9,716 48	30,000	152
26	7,920 00	521 95	....	4,628 69	13,070 64	87,800	1,000
27	913 50	195 23	55 17	6,696 63	7,860 53	5,700	90
28	1,388 77	450 06	35 27	850 19	2,724 29	14,000	400
29	1,890 00	43,223 81	....	5,817 84	50,931 65	50,000	2,000
30	940 00	141 83	10 00	167 31	1,259 14	2,000	100
31	773 44	133 00	11 00	132 82	1,050 26	5,000	100
32	2,000 00	....	....	2,080 58	4,080 58	40,000	181
33	5,200 00	2,092 29	33 99	1,594 21	8,920 49	40,000	1,500
34	1,025 00	130 00	67 00	250 00	1,472 00	5,500	300
35	1,415 20	59 97	18 89	162 07	1,656 13	2,000	242
36	2,580 00	139 10	21 15	2,679 08	5,419 33	16,000	1,000
37	1,800 80	113 90	32 61	402 06	2,349 37	6,000	223
38	803 75	179 80	66 68	413 70	1,463 93	4,500	187
39	872 20	281 07	....	631 15	1,784 42	1,700	143
40	900 00	103 12	3 85	372 25	1,379 22	5,000	230
41	11,784 15	32,361 60	147 50	4,506 60	48,799 85	90,000	600
42	900 00	151 62	....	258 12	1,309 74	4,000	150
43	2,000 00	357 82	185 80	2,211 33	4,754 95	10,000	363
44	2,917 00	249 58	75 69	1,283 39	4,525 66	50,000	500
45	1,230 00	129 60	38 70	642 25	2,040 55	15,000	253
46	900 00	....	....	149 77	1,049 77	3,000	120
47	9,335 74	1,467 73	....	4,175 47	14,978 94	40,000	882
48	1,850 00	138 75	52 00	265 00	2,305 75	9,000	402
49	780 00	105 45	....	228 22	1,113 67	4,000	400
50	1,906 29	....	60 02	1,336 36	3,302 67	20,000	1,500
51	2,152 40	11,266 38	....	866 79	14,285 57	45,000	1,160
52	904 25	132 85	35 30	282 96	1,355 36	4,000	50
53	5,031 00	521 42	75 00	5,981 93	11,609 35	48,000	1,100
54	5,200 00	425 00	450 00	1,702 25	7,777 25	75,000	600

ROMAN CATHOLIC

I. TABLE F.—FINANCIAL

Towns	Receipts				
	Legislative Grants	Municipal Grants and Assessments	Debentures	Balances Subscribed and Other Sources	Total Amount Received
	$ c.	$ c.	$ c.	$ c.	$ c.
55 St. Mary's	57 05	1,523 38	....	409 36	1,989 79
56 Sandwich	232 78	7,119 03	869 04	5,041 09	13,261 94
57 Seaforth	90 23	1,914 11	....	1,446 67	3,451 01
58 Smith's Falls	159 13	3,948 81	....	4,093 52	8,201 46
59 Sturgeon Falls	434 78	6,000 00	72,599 59	5,125 63	84,160 00
60 Sudbury	1,069 16	48,985 32	....	5,359 28	55,413 76
61 Thorold	285 25	7,000 00	....	1,292 02	8,577 27
62 Tilbury	108 53	6,546 39	....	1,803 87	8,458 79
63 Timmins	197 52	20,562 56	....	1,978 74	22,738 82
64 Trenton	137 40	4,128 50	....	1,534 14	5,800 04
65 Vankleek Hill	110 98	2,033 53	....	616 90	2,761 41
66 Walkerton	121 89	2,455 52	....	135 61	2,713 02
67 Walkerville	125 39	4,654 28	....	1,654 85	6,434 52
68 Wallaceburg	184 04	4,864 09	....	1,074 56	6,122 69
69 Waterloo	192 11	5,445 02	....	300 58	5,937 71
70 Weston	42 19	1,095 05	....	1,101 42	2,238 66
71 Whitby	......	850 00	....	345 13	1,195 13
☞ Totals	14,346 54	393,087 73	126,531 63	156,872 03	690,837 93
☞ Totals					
1 Rural Schools	156,246 68	323,236 07	47,358 22	252,129 78	778,970 75
2 Cities	19,248 42	1,239,228 68	594,572 26	353,224 70	2,206,274 06
3 Towns	14,346 54	393,087 73	126,531 63	156,872 03	690,837 93
4 Villages	6,441 65	24,759 24	3,012 00	18,545 07	52,757 96
5 Grand Totals, 1921	196,283 29	1,980,311 72	771,474 11	780,771 58	3,728,840 70
6 Grand Totals, 1920	133,672 32	1,646,451 93	147,203 91	739,981 57	2,667,309 73
7 Increases	62,610 97	333,859 79	624,270 20	40,790 01	1,061,530 97
8 Percentages	5.26	53.10	20.68	20.93	....

SEPARATE SCHOOLS (Continued)

STATEMENT, ETC. (Concluded)

	Expenditure						
	Teachers' Salaries	Sites and Building School Houses	Libraries, Maps, Apparatus, Prizes and School Books	All Other Purposes	Total Amount Expended	Value of School Sites, Buildings and Furniture	Value of Equipment
	$ c.	$ c.	$ c.	$ c.	$ c.	$	$
55	1,075 00	....	11 45	247 28	1,333 73	4,500	175
56	4,725 00	3,523 00	....	4,293 96	12,541 96	9,000	232
57	1,130 00	21 42	18 30	858 70	2,028 42	6,900	342
58	2,600 00	602 72	55 90	3,849 12	7,107 74	50,000	1,000
59	6,288 75	75,582 10	42 00	2,247 15	84,160 00	110,000	700
60	22,608 78	3,600 00	1,805 88	15,822 75	43,837 41	127,000	1,000
61	5,608 50	525 59	....	2,443 18	8,577 27	32,000	1,513
62	2,210 00	811 90	....	1,285 83	4,307 73	6,000	334
63	7,872 47	3,026 46	220 74	9,660 57	20,780 24	40,000	900
64	1,350 00	480 66	145 82	2,435 23	4,411 71	10,000	515
65	1,800 00	79 95	80 00	250 00	2,209 95	20,000	307
66	2,056 25	92 08	100 70	369 94	2,618 97	20,000	675
67	1,610 00	1,959 00	269 53	1,012 55	4,851 08	15,000	425
68	1,967 50	....	....	3,919 75	,887 25	30,000	997
69	3,382 50	....	82 54	1,745 87	5,210 91	25,000	881
70	1,180 00	326 88	15 00	663 44	2,185 32	31,800	1,800
71	720 00	....	10 25	254 93	985 18	3,700	250
	219,521 27	240,697 90	7,228 77	161,343 14	628,791 08	1,759,800	44,816
1	53,870 25	113,489 75	8,326 85	139,912 50	615,599 35	1,056,473	53,856
2	641,694 98	727,855 87	23,732 47	687,910 09	2,081,193 41	6,740,798	203,055
3	219,521 27	240,697 90	7,228 77	161,343 14	628,791 08	1,759,800	44,816
4	21,874 47	4,507 74	936 31	11,717 38	39,035 90	113,555	6,780
5	1,236,960 97	1,086,551 26	40,224 40	1,000,833 11	3,364,619 74	9,670,626	308,507
6	1,013,981 37	465,098 69	30,865 46	862,519 45	2,372,464 97	7,390,714	267,503
7	222,979 60	621,452 57	9,358 94	138,363 66	992,154 77	2,279,912	41,004
8	36.76	32.29	1.19	29.74	....	......	....

Cost per pupil, enrolled attendance: Rural Schools, $30.52; Cities, $50.81; Towns, $29.72; Villages, $23.00; Province, $40.06.

ROMAN CATHOLIC

II. TABLE G.—TEACHERS, SALARIES, CERTIFICATES, ATTENDANCE,

Rural Schools	No. of Schools	Teachers																Number of Pupils
		No. of Teachers	Male	Female	Average salary, male	Average salary, female	No. who have ever attended a Model School in Ontario	No. who have ever attended a Normal School in Ontario	No. who attended Normal Coll., Faculty or Coll. of Ed.	Number of University Graduates	1st Class or Interim 1st Class	2nd Class or Interim 2nd Class	3rd Class	District	Kindergarten-Primary	Permanent Ungraded	Temporary	
1 Bruce	8	12	..	12	$....	$1087	....	7	2	...	2	7	....	..	..	3	...	520
2 Carleton	20	26	..	26	.....	686	11	8	....	...	...	8	8	1	..	...	9	1,182
3 Essex	28	42	1	41	1,000	830	24	15	....	...	...	15	20	3	..	2	2	1,932
4 Frontenac	11	11	1	10	1,000	967	2	9	....	...	...	9	2	..	..	...	...	247
5 Grey	7	7	..	7	.....	1,089	....	6	1	...	1	6	....	..	..	...	...	183
6 Hastings	6	6	..	6	.....	958	1	5	....	...	...	5	1	..	..	...	...	152
7 Huron	8	10	..	10	.....	1,010	....	9	1	1	1	8	1	..	..	...	...	315
8 Kent	8	9	1	8	1,100	975	5	4	....	...	...	4	5	..	..	...	...	379
9 Lambton	1	1	..	1	.....	1,000	....	1	....	...	...	1	....	..	..	...	...	46
10 Lanark	3	3	1	2	1,200	950	....	3	....	...	...	3	....	..	..	...	...	80
11 Leeds and Grenville	2	2	..	2	.....	550	1	....	....	...	...	....	1	..	..	...	1	20
12 Lennox and Addington	2	2	..	2	.....	900	1	1	....	...	...	1	1	..	..	...	...	35
13 Middlesex	5	5	..	5	.....	980	....	4	1	...	1	4	....	..	..	...	...	107
14 Norfolk	1	1	..	1	.....	1,000	....	1	....	...	...	1	....	..	..	...	...	38
15 Northumberland & Durham	6	6	..	6	.....	867	....	6	....	...	...	6	....	..	..	...	...	104
16 Ontario	1	2	..	2	.....	1,012	....	1	1	...	1	1	....	..	..	...	...	76
17 Peel	1	1	..	1	.....	800	....	1	....	...	...	1	....	..	..	...	...	15
18 Perth	7	12	..	12	.....	1,083	....	8	4	1	4	8	....	..	..	...	...	493
19 Peterborough	5	5	..	5	.....	1,040	....	5	....	...	...	5	....	..	..	...	...	201
20 Prescott and Russell	98	132	3	129	642	495	95	6	....	...	1	4	79	14	..	3	31	5,636
21 Renfrew	16	26	..	26	.....	883	5	19	1	...	1	18	4	1	..	...	2	951
22 Simcoe	4	8	..	8	.....	712	2	4	....	...	...	4	2	..	..	1	1	366
23 Stormont, Dundas, Glengarry	22	33	1	32	650	876	17	14	1	2	4	11	14	..	..	3	1	1,300
24 Victoria	2	3	..	3	.....	983	....	2	1	...	1	2	....	..	..	...	...	100
25 Waterloo	7	12	1	11	1,200	880	....	7	....	...	...	7	....	..	..	3	2	455
26 Wellington	6	6	1	5	1,000	1,000	....	6	....	...	...	6	....	..	..	...	...	148
27 Districts	89	124	7	117	914	743	71	10	2	...	2	10	34	34	..	...	44	5,085
Totals	374	507	17	490	910	763	235	162	15	4	19	155	172	53	..	15	93	20,166
Cities																		
1 Belleville	1	6	..	6	.....	458	....	4	....	...	...	4	....	..	..	2	...	339
2 Brantford	2	15	..	15	.....	650	....	8	2	...	2	8	....	..	..	5	...	830
3 Chatham	1	10	..	10	.....	562	....	10	....	...	...	10	....	..	..	...	...	436
4 Ft. William	6	24	..	24	.....	796	2	22	....	...	...	20	2	1	..	1	...	1,454
5 Galt	1	4	..	4	.....	825	....	4	....	...	...	4	....	..	..	...	...	204
6 Guelph	3	13	..	13	.....	558	1	8	....	...	...	8	1	..	..	4	...	657
7 Hamilton	14	81	5	76	1,300	636	21	51	6	4	6	50	1	..	..	21	3	3,513
8 Kingston	3	18	1	17	1,500	500	....	15	1	...	1	15	....	..	..	2	...	835
9 Kitchener	3	24	..	24	.....	550	....	17	4	1	4	17	....	..	..	3	...	1,171
10 London	9	34	5	29	900	510	1	27	6	...	5	25	....	..	3	1	...	1,264
11 Niagara Falls	1	8	..	8	.....	837	....	8	....	...	...	7	....	..	1	...	...	361
12 Ottawa	33	230	41	189	776	585	226	65	6	3	3	64	108	7	..	16	32	10,254
13 Owen Sound	1	4	..	4	.....	500	....	3	....	...	...	3	....	..	..	1	...	169
14 Peterborough	4	31	..	31	.....	502	....	25	4	1	4	25	....	..	..	2	...	1,386
15 Pt. Arthur	2	12	..	12	.....	687	5	11	....	...	...	11	....	..	..	1	...	619
16 St. Catharines	3	11	..	11	.....	809	2	7	....	...	...	7	1	..	..	3	...	629
17 St. Thomas	1	6	..	6	.....	617	2	4	....	...	...	3	....	..	1	2	...	244
18 Sarnia	2	9	..	9	.....	375	2	6	1	...	1	6	....	..	..	2	...	344
19 S. S. Marie	6	32	..	32	.....	791	10	21	1	...	1	21	7	3	..	...	...	1,665
20 Stratford	1	10	..	10	.....	500	1	7	1	...	1	7	1	..	..	1	...	455
21 Toronto	32	245	25	220	1,103	975	20	190	17	8	17	190	....	..	..	38	...	11,820
22 Windsor	5	41	..	41	.....	567	4	37	....	...	1	36	3	..	..	1	...	2,177
23 Woodstock	1	3	..	3	.....	550	....	2	1	1	1	2	....	..	..	...	...	131
Totals	135	871	77	794	933	707	297	552	50	18	47	543	124	11	5	106	35	40,957

SEPARATE SCHOOLS (Continued)

PUPILS IN THE VARIOUS BRANCHES OF INSTRUCTION, ETC.

	Boys	Girls	Average daily attendance	Percentage of actual aggregate to possible aggregate attendance	No. of pupils in Kindergarten-Primary	First Reader, Part I or Primer	First Reader, Part II, or First Book	Second Book	Third Book	Fourth Book	Beyond Fourth Book	Art	Geography	Music
1	271	249	410	83	....	88	68	99	140	113	12	520	432	520
2	611	571	670	78	....	545	177	162	161	127	10	1,014	767	908
3	1,015	917	1,285	75	....	602	363	375	337	248	7	1,898	1,459	1,788
4	135	112	152	77	....	44	26	56	38	79	4	247	247	247
5	93	90	113	74	....	29	21	24	45	58	6	183	154	183
6	72	80	101	79	....	29	21	36	34	25	7	152	152	152
7	162	153	230	78	....	46	37	36	86	83	27	315	269	315
8	184	195	259	78	....	122	61	69	65	59	3	379	254	379
9	24	22	30	87	....	7	4	19	7	9	...	46	46	46
10	41	39	53	82	....	4	20	17	17	15	7	80	80	80
11	10	10	10	62	....	4	3	2	2	8	1	20	20	20
12	13	22	17	54	....	6	6	6	5	12	...	35	35	35
13	66	41	74	80	....	16	15	15	26	32	3	107	104	107
14	17	21	26	81	....	7	3	4	10	14	...	38	38	38
15	56	48	61	76	....	18	18	21	17	30	...	104	104	104
16	31	45	61	90	....	6	13	10	16	10	21	76	76	76
17	11	4	12	77	....	2	3	1	4	4	1	15	15	15
18	243	250	332	77	....	76	52	64	95	112	94	432	357	416
19	120	81	141	77	....	42	38	21	44	56	...	201	201	201
20	2,810	2,826	3,939	83	241	2,339	1,013	973	688	321	61	4,953	3,550	4,484
21	452	499	627	87	....	242	137	147	149	170	106	801	718	788
22	177	189	254	82	....	102	45	92	72	55	...	366	366	366
23	645	655	817	84	....	382	184	185	187	207	155	1,195	843	1,265
24	54	46	72	76	....	11	6	19	17	33	14	100	100	100
25	235	220	352	82	....	78	66	85	144	82	...	455	377	455
26	74	74	105	83	....	38	11	30	26	43	...	148	110	148
27	2,584	2,501	3,090	73	202	2,456	897	756	502	268	4	4,024	3,236	4,071
	10,206	9,960	13,293	79.03	443	7,341	3,308	3,324	2,934	2,273	543	17,904	14,110	17,307
1	161	178	242	92	....	94	37	50	68	90	...	339	339	339
2	394	436	557	93	....	281	97	155	153	144	...	830	549	830
3	242	194	335	88	55	63	48	81	99	90	...	326	326	326
4	760	694	1,010	93	....	560	186	275	295	138	...	1,454	1,454	1,454
5	97	107	147	85	....	47	39	37	39	42	...	204	157	204
6	398	259	487	90	....	169	94	121	152	121	...	657	488	657
7	1,834	1,679	2,679	91	....	907	611	560	723	433	279	3,306	3,206	3,354
8	382	453	711	90	....	151	147	120	200	217	...	835	835	835
9	568	603	876	91	....	192	184	216	314	226	39	1,171	979	1,171
10	647	617	982	92	160	188	195	201	225	171	124	1,211	1,264	1,264
11	187	174	235	91	43	59	73	46	87	53	...	361	361	361
12	4,865	5,389	8,686	90	125	2,454	1,803	2,090	1,705	1,271	806	10,254	8,830	10,254
13	91	78	117	78	....	29	26	28	45	41	...	169	140	169
14	654	732	969	91	....	284	185	191	247	273	206	1,386	1,386	1,386
15	312	307	488	98	30	80	80	164	152	113	...	619	619	619
16	314	315	442	89	....	125	112	135	134	123	...	629	629	629
17	118	126	190	90	....	48	37	35	73	51	...	244	244	244
18	179	165	285	91	....	86	64	53	67	56	18	344	344	344
19	832	833	1,019	93	268	357	254	279	307	195	5	1,527	1,374	1,665
20	232	223	349	87	....	94	97	62	93	109	...	455	361	455
21	6,043	5,777	7,907	88	266	2,720	1,679	2,186	2,332	1,973	664	11,820	11,820	11,820
22	1,126	1,051	1,622	81	....	670	318	513	351	325	...	2,177	2,507	2,177
23	60	71	96	93	....	29	21	25	32	24	...	131	131	131
	20,496	20,461	30,431	89.27	947	9,687	6,387	7,623	7,893	6,279	2,141	40,449	38,343	40,688

ROMAN CATHOLIC

II. TABLE G—TEACHERS, SALARIES, CERTIFICATES, ATTENDANCE,

Rural Schools	Literature	Composition	Grammar	English History	Canadian History	Physiology and Hygiene	Nature Study	Physical Culture	Bookkeeping	Arithmetic and Mensuration	Algebra	Geometry
1 Bruce	520	520	125	253	364	508	508	520	....	12	12	....
2 Carleton	743	766	251	167	716	983	978	1,118	3	8	4	4
3 Essex	1,549	1,535	402	390	718	1,185	1,436	1,932	..	7	7	..
4 Frontenac	247	247	86	123	178	247	247	247	1	4	4	2
5 Grey	183	183	64	103	133	177	177	183	....	....	6	....
6 Hastings	152	152	32	66	102	152	152	152	....	5	5	....
7 Huron	315	315	110	169	232	288	288	315	11	21	27	14
8 Kent	337	379	70	85	170	301	310	379	3	3	3	....
9 Lambton	46	46	9	16	16	46	46	46	....	....	....	....
10 Lanark	80	80	22	39	56	80	80	80	....	7	7	1
11 Leeds & Grenv'e	20	20	9	11	13	20	20	20	....	1	1	1
12 Lennox and Addington	35	35	6	17	23	35	35	35	....	....	....	....
13 Middlesex	107	107	35	56	74	107	107	107	3	3	3	....
14 Norfolk	38	38	14	24	24	38	38	38	....	....	....	....
15 Northumberland and Durham	104	104	30	46	67	104	104	104	....	....	....	....
16 Ontario	76	76	31	47	57	76	76	76	....	21	21	14
17 Peel	15	15	5	9	9	15	15	15	....	1	1	....
18 Perth	493	493	163	246	304	399	399	493	5	34	75	42
19 Peterborough	201	201	61	104	119	201	201	201	....	....	....	....
20 Prescott and Russell	3,126	5,264	521	657	3,035	4,259	3,989	4,898	56	61	11	6
21 Renfrew	750	783	296	295	463	680	697	880	....	72	56	77
22 Simcoe	366	366	67	140	227	366	366	366	....	....	....	....
23 Stormont, Dundas & Glengarry	972	1,086	468	383	620	761	803	1,217	4	117	155	90
24 Victoria	100	100	47	64	83	100	100	100	....	14	14	....
25 Waterloo	455	455	82	226	311	455	455	455	....	....	....	....
26 Wellington	148	148	43	69	99	148	148	148	....	....	....	....
27 Districts	3,682	3,633	675	551	2,681	4,135	4,158	4,294	4	4	3	3
Totals	14,860	17,147	3,724	4,356	10,894	15,866	15,933	18,419	90	395	415	254
Cities												
1 Belleville	339	339	90	158	208	339	339	339	....	....	....	....
2 Brantford	830	830	144	297	452	830	830	830	....	....	....	....
3 Chatham	326	326	72	31	112	307	307	326	....	18	14	1
4 Fort William	1,454	1,454	138	434	708	1,454	1,454	1,454	....	....	....	....
5 Galt	204	204	42	81	118	204	204	204	....	....	....	....
6 Guelph	657	657	121	273	394	657	657	657	....	....	....	....
7 Hamilton	3,465	3,513	505	1,228	1,228	3,234	3,234	3,513	30	120	231	231
8 Kingston	835	835	217	417	537	835	835	835	....	....	....	....
9 Kitchener	1,171	1,171	265	540	795	1,132	1,132	1,171	....	33	12	33
10 London	1,264	1,264	301	396	520	1,231	1,140	1,264	20	124	104	30
11 Niagara Falls	361	361	53	53	140	361	361	361	....	....	....	....
12 Ottawa	10,254	10,254	8,830	8,830	9,684	10,254	10,254	10,254	2077	806	806	806
13 Owen Sound	169	169	41	86	114	169	169	169	....	....	....	....
14 Peterborough	1,386	1,386	479	726	817	1,386	1,386	1,386	....	47	129	102
15 Port Arthur	619	619	113	436	436	619	619	619	....	....	....	....
16 St. Catharines	629	629	123	392	392	629	629	629	....	....	....	....
17 St. Thomas	244	244	51	124	196	244	244	244	....	....	....	....
18 Sarnia	344	344	74	123	141	326	326	344	....	18	18	....
19 Sault Ste. Marie	1,460	1,374	400	256	306	1,665	1,579	1,665	....	5	5	....
20 Stratford	455	455	109	202	264	455	455	455	....	....	....	....
21 Toronto	11,820	11,820	2,637	4,969	4,969	11,820	11,820	11,820	156	341	506	506
22 Windsor	2,177	2,177	325	338	338	2,177	2,177	2,177	....	....	....	....
23 Woodstock	131	131	24	56	56	131	131	131	....	....	....	....
Totals	40,594	40,556	15,154	20,446	22,925	40,459	40,282	40,847	2283	1512	1825	1709

SEPARATE SCHOOLS (Continued)

PUPILS IN THE VARIOUS BRANCHES OF INSTRUCTION, ETC. (Continued)

										Miscellaneous							
	Latin	German	French (beyond 4th Book)	French (Primer to 4th Book inclusive)	Elementary Science	Commercial Subjects	Agriculture	Manual Training	Household Science	Schools where Medical Inspection is in force	Schools where Nurse Insp. with Medical Supervision is in force	Schools where Nurse Inspection only is in force	Total number of Nurses employed	Schools where Dental Inspection is in force	No. of Schools with a Library	No. of Volumes	Value of Libraries
1	12	..	.....	.....	12	...	175	...	49	.....	.....	.....	.....	.....	8	3,527	$ 1,401
2	3	..	7	889	7	...	80	...	....	.....	.....	.....	.....	.....	15	1,737	626
3	...	..	.....	1,535	...	...	244	...	....	.....	.....	.....	.....	.....	28	3,925	1,544
4	1	..	.....	.....	1	...	74	...	....	.....	.....	.....	.....	.....	11	1,598	735
5	3	..	3	.....	6	...	109	...	42	.....	.....	.....	.....	.....	7	1,866	647
6	...	..	.....	.....	...	5	45	...	....	1	.....	.....	.....	.....	6	1,201	434
7	15	..	26	.....	21	...	145	29	35	.....	.....	1	1	.....	8	3,046	1,155
8	...	..	.....	233	...	...	209	...	....	.....	.....	.....	.....	.....	8	1,301	463
9	...	..	.....	.....	...	...	46	...	....	.....	.....	.....	.....	.....	1	300	140
10	5	..	4	.....	4	...	30	...	....	.....	.....	1	2	3	3	311	100
11	1	..	1	.....	...	...	.....	...	....	.....	1	.....	.....	.....	2	228	51
12	...	..	.....	.....	...	...	14	...	....	.....	.....	.....	.....	.....	2	82	72
13	...	..	.....	.....	...	...	36	27	....	.....	.....	.....	.....	.....	5	819	370
14	...	..	.....	.....	...	...	.....	...	....	.....	.....	.....	.....	.....	1	470	100
15	...	..	.....	.....	...	...	55	...	....	1	.....	.....	.....	1	6	1,292	490
16	21	..	21	.....	21	...	26	...	....	1	.....	.....	.....	.....	1	180	61
17	1	..	1	.....	1	...	9	...	....	.....	.....	1	1	.....	1	207	120
18	65	..	66	.....	56	...	224	96	253	.....	.....	.....	.....	.....	7	3,173	1,068
19	...	..	.....	.....	...	...	93	...	....	2	.....	.....	.....	.....	5	914	336
20	...	33	61	5,531	5	...	.....	61	....	2	.....	.....	.....	.....	58	3,371	1,338
21	66	3	51	65	71	...	106	31	26	3	1	.....	.....	.....	15	3,170	1,478
22	...	..	.....	309	...	...	111	...	....	.....	.....	.....	.....	.....	4	1,237	400
23	119	..	99	660	95	...	143	...	....	2	.....	.....	.....	2	18	2,720	1,639
24	14	..	14	14	...	...	52	...	....	.....	.....	.....	.....	.....	2	596	235
25	...	..	.....	.....	...	...	160	42	241	.....	.....	.....	.....	.....	7	2,537	1,000
26	...	..	.....	.....	...	...	43	...	17	.....	.....	.....	.....	.....	6	1,195	384
27	...	..	3	3,811	4	2	156	293	51	5	1	.....	.....	.....	63	2,392	1,360
	326	36	357	13047	304	7	2,385	579	714	17	3	3	4	6	298	43,395	17,747
1	...	..	.....	.....	...	...	.....	...	....	.....	.....	.....	.....	.....	1	86	393
2	...	..	.....	.....	...	...	96	...	....	.....	.....	.....	.....	1	2	807	370
3	1	..	10	205	18	...	95	...	....	1	.....	.....	.....	.....	1	1,760	760
4	...	..	.....	.....	...	...	299	28	44	.....	.....	.....	.....	.....	3	1,344	1,199
5	...	..	.....	.....	...	...	.....	...	....	1	1	.....	1	.....	1	205	131
6	...	..	.....	.....	...	...	.....	...	40	.....	.....	.....	.....	.....	3	1,800	600
7	231	..	231	.....	141	48	321	...	....	.....	14	.....	1	.....	14	4,700	2,240
8	...	..	.....	.....	...	...	.....	...	....	.....	.....	.....	.....	.....	2	1,219	507
9	33	..	.....	.....	33	...	416	...	....	.....	.....	.....	.....	.....	3	2,300	600
10	104	..	104	.....	71	20	182	...	....	9	9	.....	1	.....	9	2,224	1,508
11	...	..	.....	.....	...	...	140	...	....	.....	.....	.....	.....	.....	1	1,004	342
12	74	..	701	5,704	233	31	601	...	604	.....	33	.....	8	33	33	6,632	6,633
13	...	..	.....	.....	...	...	86	126	....	.....	1	.....	1	.....	1	317	201
14	178	..	56	.....	121	...	126	...	28	.....	.....	.....	.....	.....	4	4,138	1,389
15	...	..	.....	.....	...	...	113	27	35	.....	.....	2	1	.....	2	362	762
16	...	..	.....	.....	...	...	42	...	....	.....	.....	.....	.....	.....	3	2,096	965
17	...	..	.....	.....	...	...	124	...	....	.....	.....	.....	.....	.....	1	1,445	727
18	...	..	.....	.....	...	...	24	...	....	.....	.....	2	2	.....	2	691	638
19	...	..	5	513	...	...	51	...	....	.....	.....	.....	.....	.....	6	800	648
20	...	..	.....	.....	...	...	202	75	70	.....	.....	1	1	.....	1	2,757	750
21	506	..	664	.....	304	156	582	...	488	32	32	.....	11	32	32	11,554	4,144
22	...	..	.....	.....	...	...	.....	...	....	.....	5	.....	2	5	5	2,560	1,084
23	...	..	.....	.....	...	...	43	...	....	.....	.....	.....	.....	.....	1	793	536
	1,127	..	1,771	6,422	921	255	3,543	256	1309	43	95	5	29	71	131	51,594	27,127

ROMAN CATHOLIC

II. TABLE G—TEACHERS, SALARIES, CERTIFICATES, ATTENDANCE,

Towns	No. of Schools	Teachers																Number of Pupils
		No. of Teachers	Male	Female	Average salary, male	Average salary, female	No. who have ever attended a Model School in Ontario	No. who have ever attended a Normal School in Ontario	No. who have ever attended the Normal College or Faculty or Coll. of Ed.	Number of University Graduates	1st Class or Interim 1st Class	2nd Class or Interim 2nd Class	3rd Class	District	Kindergarten-Primary	Permanent Ungraded	Temporary	
1 Alexandria....	2	12	..	12	$ ...	$ 383	1	7	....	...	...	4	1	..	..	3	4	570
2 Almonte......	1	3	..	3	...	600	....	3	....	...	...	3	....	..	..	...	...	120
3 Amherstburg..	2	8	..	8	...	287	4	4	....	...	...	4	....	..	..	4	...	326
4 Arnprior......	1	9	..	9	...	517	1	7	....	...	...	7	1	..	..	1	...	494
5 Barrie........	1	3	..	3	...	650	....	2	....	...	...	2	....	..	..	1	...	124
6 Blind River...	1	6	..	6	...	450	3	....	....	...	...	....	2	1	..	...	3	322
7 Bonfield......	1	2	1	1	900	600	2	....	....	...	...	....	1	..	..	1	...	106
8 Brockville....	1	8	..	8	...	300	1	5	....	...	...	5	1	..	..	1	1	299
9 Cache Bay....	1	1	..	1	...	900	1	....	....	...	...	....	....	1	..	...	...	140
10 Campbellford.	1	3	..	3	...	500	....	3	....	...	...	3	....	..	..	...	...	70
11 Charlton.....	1	1	..	1	...	1,200	....	1	....	...	...	1	....	..	..	...	...	44
12 Chelmsford...	1	4	..	4	...	500	2	....	....	...	...	....	1	..	..	1	2	203
13 Cobalt.......	2	11	..	11	...	743	4	5	....	...	...	5	....	4	..	...	2	637
14 Cobourg.....	1	4	..	4	...	700	....	4	....	...	...	4	....	..	..	...	...	135
15 Cochrane.....	1	6	..	6	...	471	....	....	....	...	...	....	....	..	..	...	6	250
16 Collingwood..	1	2	..	2	...	950	....	2	....	...	...	2	....	..	..	...	...	78
17 Cornwall.....	4	20	6	14	533	546	7	10	....	...	...	10	3	1	..	4	2	1,134
18 Dundas.......	1	3	..	3	...	467	2	1	....	...	...	1	....	..	..	2	...	146
19 Eastview.....	2	13	1	12	850	437	6	....	....	...	...	....	2	..	..	...	11	736
20 Ford.........	3	12	..	12	...	350	1	6	....	...	...	6	1	..	..	2	3	644
21 Fort Frances..	1	4	..	4	...	500	....	....	....	...	...	....	1	..	..	...	3	205
22 Gananoque...	1	4	..	4	...	400	....	3	....	...	...	3	....	..	..	1	...	183
23 Goderich.....	1	2	..	2	...	375	....	1	....	...	...	1	....	..	..	1	...	86
24 Hanover.....	1	2	..	2	...	875	....	2	....	...	...	2	....	..	..	...	...	115
25 Haileybury...	1	7	..	7	...	814	....	4	....	...	...	4	....	..	..	...	3	365
26 Hawkesbury..	3	28	8	20	394	309	1	1	....	2	...	1	1	2	..	...	24	1,370
27 Hespeler.....	1	1	..	1	...	900	....	1	....	...	...	1	....	..	..	...	...	60
28 Ingersoll.....	1	3	..	3	...	433	1	2	....	...	...	2	....	..	..	1	...	123
29 Iroquois Falls.	1	4	1	3	1,400	1,100	3	1	....	...	...	1	3	..	..	...	...	110
30 Kearney......	1	1	..	1	...	1,000	....	1	....	...	...	1	....	..	..	...	...	34
31 Keewatin.....	1	1	..	1	...	750	....	....	....	...	...	....	....	..	..	...	1	32
32 Kenora.......	1	5	..	5	...	600	2	....	....	...	...	....	2	1	..	...	2	253
33 Lindsay......	2	7	1	6	1,600	600	....	6	....	...	...	6	....	..	..	1	...	341
34 Little Current.	1	1	..	1	...	1,100	1	1	....	...	...	1	....	..	..	...	...	54
35 Massey.......	1	2	..	2	...	775	2	....	....	...	...	....	1	1	..	...	...	110
36 Mattawa.....	1	6	1	5	1,500	500	3	2	1	...	1	2	2	..	..	...	1	329
37 Merritton....	1	2	..	2	...	925	....	2	....	...	...	2	....	..	..	...	...	74
38 Mount Forest.	1	2	..	2	...	550	....	1	....	...	...	1	....	..	..	1	...	91
39 New Liskeard.	2	2	..	2	...	400	....	....	....	...	...	....	....	..	..	...	2	98
40 Newmarket...	1	1	..	1	...	900	....	1	....	...	...	1	....	..	..	...	...	81
41 North Bay....	3	18	..	18	...	675	....	14	....	...	...	12	2	..	..	...	4	1,026
42 Oakville......	1	1	..	1	...	900	....	....	1	...	1	....	....	..	..	...	...	45
43 Orillia........	1	4	..	4	...	500	....	3	....	...	...	3	....	..	..	1	...	194
44 Oshawa......	1	4	..	4	...	762	....	3	....	...	...	3	....	..	..	1	...	226
45 Paris.........	1	2	..	2	...	600	1	1	....	...	...	1	....	..	..	1	...	74
46 Parkhill......	1	1	..	1	...	950	....	1	....	...	...	1	....	..	..	...	...	22
47 Pembroke....	1	14	..	14	...	668	1	11	....	...	...	11	1	..	..	2	...	697
48 Perth........	1	4	..	4	...	462	....	4	....	...	...	4	....	..	..	...	...	191
49 Picton.......	1	1	..	1	...	800	....	1	....	...	...	1	....	..	..	...	...	30
50 Prescott......	1	4	..	4	...	562	....	3	....	...	...	3	....	..	..	...	1	132
51 Preston......	1	5	..	5	...	400	1	1	1	...	1	1	1	..	..	2	...	248
52 Rainy River..	1	1	..	1	...	900	....	....	....	...	...	....	....	..	..	...	1	52
53 Renfrew......	1	10	..	10	...	520	....	8	....	...	...	8	....	..	..	1	1	497
54*Rockland.....	2	17	..	17	...	308	10	....	....	...	...	....	6	4	..	2	5	859
55 St. Mary's....	1	2	..	2	...	500	....	1	....	...	...	1	....	..	..	1	...	53
56 Sandwich.....	3	10	..	10	...	555	3	7	....	...	...	7	3	..	..	...	...	493

SEPARATE SCHOOLS (Continued)

PUPILS IN THE VARIOUS BRANCHES OF INSTRUCTION, ETC. (Continued)

	Boys	Girls	Average daily attendance	Percentage of actual aggregate to possible aggregate attendance	No. of pupils in Kindergarten-Primary	First Reader, Part I, or Primer	First Reader, Part II, or First Book	Second Book	Third Book	Fourth Book	Beyond Fourth Book	Art	Geography	Music
1	250	320	432	77	....	136	93	98	128	115	.....	570	434	570
2	61	59	95	91	....	15	17	14	30	26	18	120	105	120
3	149	177	265	90	....	86	45	52	71	53	19	326	326	326
4	239	255	347	89	....	153	75	62	122	82	.....	494	341	494
5	75	49	90	84	....	24	23	22	25	30	.....	124	100	124
6	136	186	219	80	....	180	35	31	42	34	.....	322	322	322
7	49	57	63	66	....	22	17	37	17	13	.....	106	84	106
8	140	159	227	92	....	64	28	62	66	79	.....	299	299	299
9	85	55	77	66	25	35	26	26	20	8	.....	140	115	140
10	34	36	24	93	11	3	9	15	20	12	.....	70	70	70
11	21	23	29	89	....	16	4	9	9	6	.....	44	28	44
12	95	108	154	79	....	96	29	14	29	30	5	203	203	203
13	354	283	421	92	63	179	105	129	105	56	.....	637	570	637
14	74	61	114	96	....	30	24	15	27	39	.....	135	135	135
15	160	90	225	93	....	20	64	95	65	6	.....	150	230	233
16	45	33	52	85	....	18	13	13	13	21	.....	78	60	78
17	563	571	891	89	....	368	257	259	155	95	.....	1,134	1,134	1,134
18	75	71	108	88	....	32	24	23	35	32	.....	146	146	146
19	336	400	478	69	....	578	40	72	22	24	.....	736	736	736
20	310	334	454	80	....	206	68	159	157	54	.....	644	438	644
21	102	103	123	81	69	12	27	32	44	21	.....	205	103	205
22	87	96	60	91	....	53	52	23	20	35	.....	183	183	183
23	47	39	73	92	....	11	13	13	26	23	.....	86	75	86
24	61	54	82	89	....	18	16	30	25	26	.....	115	97	115
25	211	154	227	83	40	112	44	84	52	33	.....	365	365	365
26	718	652	1,089	91	....	471	366	289	170	56	18	1,221	698	1,022
27	34	26	40	87	....	10	12	17	10	11	.....	60	50	60
28	59	64	110	91	....	28	18	19	34	24	.....	123	123	123
29	54	56	32	89	....	50	16	24	7	13	.....	110	60	110
30	19	15	26	90	....	6	5	6	3	14	.....	34	23	34
31	16	16	23	74	10	8	5	3	2	4	.....	32	7	32
32	134	119	178	81	....	76	49	49	46	33	.....	253	177	253
33	167	174	275	93	....	60	61	73	68	79	.....	341	341	341
34	28	26	32	89	....	15	13	9	9	8	.....	54	39	54
35	50	60	52	53	....	58	6	19	18	9	.....	110	110	110
36	142	187	229	89	....	142	21	46	54	53	13	329	329	329
37	40	34	57	83	....	28	10	5	15	16	.....	74	74	74
38	47	44	61	74	....	16	8	20	21	26	.....	91	75	91
39	47	51	55	89	....	35	19	27	7	10	.....	98	63	98
40	48	33	55	83	....	23	12	13	14	19	.....	81	58	81
41	462	564	796	88	47	262	108	240	193	176	.....	1,026	609	1,026
42	21	24	28	83	....	11	3	3	9	19	.....	45	45	45
43	106	88	148	92	....	27	37	44	46	40	.....	194	194	194
44	128	98	171	87	....	63	38	55	47	23	.....	226	226	226
45	37	37	59	94	....	20	11	11	18	14	.....	74	74	74
46	13	9	15	82	....	9	1	...	9	3	.....	22	13	22
47	376	321	482	89	....	233	57	98	170	139	.....	697	697	697
48	110	81	154	94	....	30	23	39	46	53	.....	191	191	191
49	9	21	20	79	....	4	2	6	6	12	.....	30	30	30
50	80	52	102	82	....	21	16	33	30	32	.....	132	132	111
51	122	126	206	83	....	50	53	51	55	39	.....	248	198	248
52	24	28	30	78	11	11	8	14	4	4	.....	52	52	52
53	247	250	357	89	51	46	64	94	127	115	.....	497	497	497
54	401	458	637	....	....	254	180	202	172	51	.....	859	859	859
55	26	27	35	84	....	12	7	6	10	18	.....	53	41	53
56	266	227	354	84	....	162	92	108	59	72	.....	493	331	493

ROMAN CATHOLIC

II. TABLE G—TEACHERS, SALARIES, CERTIFICATES, ATTENDANCE,

Towns	Literature	Composition	Grammar	English History	Canadian History	Physiology and Hygiene	Nature Study	Physical Culture	Bookkeeping	Arithmetic and Mensuration	Algebra	Geometry
1 Alexandria	570	570	115	142	96	434	570	570	....	....	....	....
2 Almonte	120	120	88	88	88	120	120	120	....	18	18	....
3 Amherstburg	326	326	72	31	112	307	307	326	....	18	14	1
4 Arnprior	494	494	82	211	266	494	341	494	....	....	....	....
5 Barrie	124	124	30	55	77	124	124	124	....	....	....	....
6 Blind River	322	322	34	34	322	322	322	322	....	....	....	....
7 Bonfield	106	106	13	67	106	106	106	106	....	....	....	....
8 Brockville	299	299	79	145	207	299	299	299	....	....	....	....
9 Cache Bay	140	140	8	20	115	140	140	140	....	....	....	....
10 Campbellford	70	70	32	32	47	70	70	70	....	....	....	....
11 Charlton	44	28	6	15	25	44	44	44	....	....	....	....
12 Chelmsford	203	203	35	35	203	203	203	203	....	5	....	....
13 Cobalt	637	598	298	336	336	637	637	637	....	....	....	....
14 Cobourg	135	135	39	67	81	135	135	135	....	....	....	....
15 Cochrane	230	230	57	57	57	233	233	233	....	....	....	....
16 Collingwood	78	78	21	34	47	78	78	78	....	....	....	....
17 Cornwall	1,134	1,134	95	509	509	1,134	1,134	1,134	....	....	....	....
18 Dundas	146	146	32	67	90	146	146	146	....	....	....	....
19 Eastview	158	736	24	46	158	736	736	736	30	....	....	....
20 Ford	644	644	118	54	211	54	370	644	....	....	....	....
21 Fort Frances	103	103	65	21	65	205	205	205	....	....	....	....
22 Gananoque	183	183	35	56	78	183	183	183	....	....	....	....
23 Goderich	86	86	23	49	62	86	86	86	....	....	....	....
24 Hanover	115	115	26	51	81	115	115	115	....	....	....	....
25 Haileybury	365	365	117	142	142	365	365	365	....	....	....	....
26 Hawkesbury	977	1,045	74	60	856	1,063	995	1,076	41	59	41	....
27 Hespeler	60	60	11	21	38	60	60	60	....	....	....	....
28 Ingersoll	123	123	24	24	77	123	123	123	....	....	....	....
29 Iroquois Falls	60	60	20	20	60	110	110	110	....	....	....	....
30 Kearney	34	34	14	3	17	23	23	34	....	....	....	....
31 Keewatin	13	13	4	......	4	13	13	13	....	....	....	....
32 Kenora	253	253	33	128	128	253	253	253	....	....	....	....
33 Lindsay	341	341	79	147	220	341	341	341	....	....	....	....
34 Little Current	54	26	17	8	17	54	54	54	....	....	....	....
35 Massey	110	110	9	9	110	110	110	110	....	....	....	....
36 Mattawa	329	329	329	329	329	329	329	329	....	13	13	13
37 Merritton	74	74	16	36	36	74	74	74	....	....	....	....
38 Mount Forest	91	91	26	47	67	91	91	91	....	....	....	....
39 New Liskeard	63	63	10	13	13	98	63	98	....	....	....	....
40 Newmarket	81	81	19	33	46	81	81	81	....	....	....	....
41 North Bay	1,026	1,026	176	369	609	1,026	1,026	1,026	....	....	....	....
42 Oakville	45	45	28	28	28	45	45	45	....	....	....	....
43 Orillia	194	194	40	86	130	194	194	194	....	....	....	....
44 Oshawa	226	226	23	70	163	226	226	226	....	....	....	....
45 Paris	74	74	14	32	43	74	74	74	....	....	....	....
46 Parkhill	22	22	3	12	12	22	22	22	....	....	....	....
47 Pembroke	697	697	139	309	309	697	697	697	....	....	....	....
48 Perth	191	191	53	99	138	191	191	191	....	....	....	....
49 Picton	30	30	12	18	24	30	30	30	....	....	....	....
50 Prescott	132	132	32	62	95	132	132	132	....	....	....	....
51 Preston	248	248	39	94	145	248	248	248	....	....	....	....
52 Rainy River	52	52	4	3	3	52	52	52	....	....	....	....
53 Renfrew	497	400	242	289	209	497	497	497	....	....	....	....
54 Rockland	859	859	223	51	859	959	859	859	....	....	....	....
55 St. Mary's	53	53	18	28	34	53	53	53	....	....	....	....
56 Sandwich	331	493	72	72	131	493	493	493	....	....	....	....

SEPARATE SCHOOLS (Continued)

PUPILS IN THE VARIOUS BRANCHES OF INSTRUCTION, ETC. (Continued)

	Latin	German	French (beyond 4th Book)	French (Primer to 4th Book inclusive)	Elementary Science	Commercial Subjects	Agriculture	Manual Training	Household Science	Miscellaneous							
										Schools where Medical Inspection is in force	Schools where Nurse Insp. with Medical Supervision is in force	Schools where Nurse Inspection only is in force	Total number of Nurses employed	Schools where Dental Inspection is in force	No. of Schools with a Library	No. of Volumes	Value of Libraries
1															1	450	$400
2	18		18		18										1	231	116
3	1		10	205	18		95								2	1,417	656
4								494				1	1		1	301	183
5												1	1		1	442	428
6				265								1	1		1	238	132
7				106						1					1	33	25
8															1	1,210	553
9				115											1	20	20
10							32		13								
11															1	177	55
12			5	168	5					1					1	189	136
13				356			53			1		1	1		2	231	185
14														1	1	911	570
15							233	233		1					1	183	109
16							34	19	15						1	571	255
17				373											2	1,430	275
18															1	285	146
19				736						1							
20				450			85								3	444	241
21				150											1	150	70
22																	
23												1	1		1	432	161
24															1	121	65
25				178						1					1	81	53
26		18	59	1,321	59	41									2	1,468	703
27																	
28							41					1	1		1	324	288
29				72							1			1	1	80	50
30							62		34						1	134	49
31				10											1	70	61
32				100											1	842	475
33															1	1,870	1,200
34							17								1	232	643
35				74											1	154	66
36			13	287	13										1	1,009	333
37															1	142	72
38							47			1					1	120	72
39				75											1	39	34
40															1	277	160
41				388			46					3	1		2	296	321
42							28					1	1		1	70	23
43							71					1	1	1	1	536	446
44												1			1	554	291
45															1	280	158
46							12			1					1	124	38
47				150								1	1		1	1,631	536
48														1	1	532	242
49															1	100	49
50															1	885	860
51															1	1,285	760
52				50											1	88	42
53												1	1		1	1,420	462
54				859				859									
55												1	1		1	113	112
56				390											2	184	100

ROMAN CATHOLIC

II. TABLE G—TEACHERS, SALARIES, CERTIFICATES, ATTENDANCE,

Towns	No. of Schools	Teachers																Number of Pupils
		No. of Teachers	Male	Female	Average salary, male	Average salary, female	No. who have ever attended a Model School in Ontario	Normal School in Ontario	Normal College or Faculty or Coll. of Ed.	Number of University Graduates	1st Class or Interim 1st Class	2nd Class or Interim 2nd Class	3rd Class	District	Kindergarten-Primary	Permanent Ungraded	Temporary	
57 Seaforth....	1	2	...	2	$ ...	$ 500	....	2	....	....	...	2	....	..	..	...	...	89
58 Smith's Falls	1	6	...	6	...	550	....	6	....	....	...	6	....	..	..	...	...	250
59 Sturgeon Falls......	1	19	...	19	...	587	13	....	....	....	...	....	12	1	..	...	6	836
60 Sudbury....	6	27	...	27	...	838	12	11	....	....	...	11	9	3	..	2	2	1358
61 Thorold....	1	8	...	8	...	750	1	6	1	...	1	6	....	..	..	1	...	434
62 Tilbury....	1	6	...	6	...	408	4	2	....	....	...	2	....	4	..	...	...	300
63 Timmins...	3	13	...	13	...	792	3	3	....	....	...	3	3	..	..	...	7	617
64 Trenton....	1	4	...	4	...	475	....	4	....	....	...	4	....	..	..	...	...	232
65 Vankleek Hill.......	1	6	...	6	...	321	4	....	....	....	...	....	4	..	..	2	...	223
66 Walkerton..	1	5	...	5	...	400	1	1	1	1	1	1	1	..	..	2	...	227
67 Walkerville.	1	5	...	5	...	350	1	4	....	....	...	4	....	..	..	...	1	210
68 Wallaceburg	1	6	...	6	...	292	1	5	....	....	...	5	....	1	..	...	...	375
69 Waterloo...	1	6	...	6	...	550	....	1	....	....	...	1	....	..	..	5	...	304
70 Weston....	1	2	...	2	...	800	....	2	....	....	...	2	....	..	..	...	...	102
71 Whitby....	1	1	...	1	...	800	....	1	....	....	...	1	....	..	..	...	...	69
Totals....	96	430	19	411	663	556	104	195	5	3	5	190	65	24	..	48	98	21157
Totals																		
1 Rural Schools	374	507	17	490	910	763	235	162	15	4	19	155	172	53	..	15	93	20166
2 Cities.......	135	871	77	794	933	707	297	552	50	18	47	543	124	11	5	106	35	40957
3 Towns......	96	430	19	411	663	556	104	195	5	3	5	190	65	24	..	48	98	21157
4 Villages.....	16	40	...	40	...	661	10	20	3	1	4	18	5	1	..	8	4	1697
5 Grand Totals, 1921....	621	1848	113	1735	885	686	646	929	73	26	75	906	366	89	5	177	230	83977
6 Grand Totals, 1920....	594	1716	109	1607	1,027	637	579	842	68	24	73	804	355	54	10	195	225	76881
7 Increase.....	27	132	4	128	...	49	67	87	5	2	2	102	11	35	..	...	5	7096
8 Decreases....	...	....	....	....	142	.....	....	....	....	....	...	....	....	..	5	18	...	.....
9 Percentages..	...	....	6.1	93.8	.....	.....	34.9	50.2	3.9	1.4	4.	49.0	19.8	4.8	.27	9.5	12.4	.....

SEPARATE SCHOOLS (Continued)

PUPILS IN THE VARIOUS BRANCHES OF INSTRUCTION, ETC. (Continued)

	Boys	Girls	Average daily attendance	Percentage of actual aggregate to possible aggregate attendance	No. of pupils in Kindergarten-Primary	First Reader, Part I, or Primer	First Reader, Part II, or First Book	Second Book	Third Book	Fourth Book	Beyond Fourth Book	Art	Geography	Music
57	54	35	73	91	....	15	17	14	21	22	.....	89	74	89
58	119	131	197	84	....	47	50	47	49	57	.....	250	250	250
59	453	383	508	92	244	164	109	126	113	80	.....	836	428	836
60	665	693	958	95	....	331	376	272	205	174	.....	1,358	1,358	1,358
61	221	213	326	87	....	115	66	79	86	88	.....	434	434	434
62	133	167	220	76	....	112	55	49	49	35	.....	184	184	300
63	307	310	329	89	105	109	141	139	92	31	.....	617	617	617
64	118	114	184	79	....	58	40	32	57	45	.....	232	232	232
65	93	130	160	77	....	78	34	39	31	41	.....	223	111	223
66	125	102	171	87	....	31	30	43	47	56	20	227	196	227
67	108	102	162	81	....	46	48	46	42	28	.....	210	210	210
68	187	188	243	89	....	130	71	60	56	58	.....	375	375	375
69	138	166	230	76	....	55	44	47	99	59	.....	304	249	304
70	51	51	62	88	....	39	13	13	16	21	.....	102	102	102
71	41	28	46	84	....	27	13	9	5	15	.....	69	69	69
	10,603	10,554	15,107	85.92	676	6,065	3,576	4,027	3,772	2,948	93	20,792	18,004	20,771
1	10,206	9,960	13,293	79.03	443	7,341	3,308	3,324	2,934	2,273	543	17,904	14,110	17,307
2	20,496	20,461	30,431	89.27	947	9,687	6,387	7,623	7,893	6,279	2,141	40,449	38,343	40,688
3	10,603	10,554	15,107	85.92	676	6,065	3,576	4,027	3,772	2,948	93	20,792	18,004	20,771
4	835	862	1,248	84.39	....	356	307	303	335	348	48	1,697	1,564	1,658
5	42,140	41,837	60,079	85.90	2066	23449	13578	15277	14934	11848	2,825	80,842	72,021	80,424
6	38,209	38,672	52,370	....	2299	21705	12592	14020	13815	10362	2,088	74,043	67,343	72,949
7	3,931	3,165	7,709	....	....	1,744	986	1,257	1,119	1,486	737	6,799	4,678	7,475
8	.....	....	....	....	233	.....	.....	.....	.....	.....	.....	......	......	......
9	50.18	49.81	71.54	....	2.46	27.92	16.16	18.18	17.78	14.10	3.36	96.26	85.76	95.76

ROMAN CATHOLIC

II. TABLE G—TEACHERS, SALARIES, CERTIFICATES, ATTENDANCE,

Towns	Literature	Composition	Grammar	English History	Canadian History	Physiology and Hygiene	Nature Study	Physical Culture	Bookkeeping	Arithmetic and Mensuration	Algebra	Geometry
57 Seaforth........	89	89	22	43	57	89	89	89	....	....	....	....
58 Smith's Falls....	250	250	57	106	153	250	250	250	....	....	....	....
59 Sturgeon Falls...	836	836	80	80	310	836	836	836	....	....	....	....
60 Sudbury........	1,358	1,358	174	379	651	1,358	1,358	1,358	....	....	....	....
61 Thorold........	434	434	88	174	253	434	434	434	....	....	....	....
62 Tilbury........	184	184	35	35	129	129	129	300	....	....	....	....
63 Timmins.......	617	617	31	123	403	617	617	617	....	....	....	....
64 Trenton........	232	232	45	102	134	232	232	232	....	....	....	....
65 Vankleek Hill...	111	223	41	72	111	223	223	223	....	....	....	....
66 Walkerton......	227	227	76	103	166	207	207	207	....	20	20	....
67 Walkerville.....	210	210	28	28	210	210	210	210	....	....	....	....
68 Wallaceburg....	375	375	58	114	114	375	375	375	....	....	....	....
69 Waterloo.......	304	304	59	158	205	304	304	304	....	....	....	....
70 Weston.........	102	102	21	50	50	102	102	102	....	....	....	....
71 Whitby.........	69	69	15	20	29	69	69	69	....	....	....	....
Totals.......	19,570	20,310	4,177	6,451	11,506	19,867	20,063	20,807	71	133	106	14
Totals												
1 Rural Schools....	14,860	17,147	3,724	4,356	10,894	15,866	15,933	18,419	90	395	415	254
2 Cities...........	40,594	40,556	15,154	20,446	22,925	40,459	40,282	40,847	2283	1512	1825	1709
3 Towns..........	19,570	20,310	4,177	6,451	11,506	19,867	20,063	20,807	71	133	106	14
4 Villages.........	1,401	1,619	418	688	1,043	1,687	1,641	1,697	5	48	48	28
5 Grand Totals, 1921........	76,425	79,632	23,473	31,941	46,368	77,879	77,919	81,770	2449	2088	2394	2005
6 Grand Totals, 1920........	68,801	72,316	20,747	26,565	38,669	69,865	69,811	74,670	3406	1976	1621	1330
7 Increases........	7,624	7,316	2,726	5,376	7,699	8,014	8,108	7,100	....	112	773	675
8 Decreases.......	....	....	....	....	....	....	....	....	957	....	....	....
9 Percentages......	91.07	94.82	27.95	38.03	55.21	92.73	92.78	97.37	2.91	2.48	2.85	2.38

SEPARATE SCHOOLS (Concluded)

PUPILS IN THE VARIOUS BRANCHES OF INSTRUCTION, ETC. (Concluded)

	Latin	German	French (beyond 4th Book)	French (Primer to 4th Book inclusive)	Elementary Science	Commercial Subjects	Agriculture	Manual Training	Household Science	Miscellaneous: Schools where Medical Inspection is in force	Schools where Nurse Insp. with Medical Supervision is in force	Schools where Nurse Inspection only is in force	Total number of Nurses employed	Schools where Dental Inspection is in force	No. of Schools with a Library	No. of Volumes	Value of Libraries
57	....	..	.....	.....	.....	...	....	.....	....	.....	.....	.....	....	1	1	180	$163
58	....	..	.....	.....	.....	...	....	.....	....	1	.....	.....	....	.....	1	200	239
59	....	..	.....	728	.....	...	....	.....	....	1	.....	1	1	...	1	625	331
60	....	..	.....	883	.....	...	....	.....	....	.....	.....	.....	....	.....	6	1,888	679
61	....	..	.....	.....	.....	...	43	.....	....	.....	.....	1	1	.....	1	1,224	757
62	....	..	.....	285	.....	...	35	.....	....	.....	.....	.....	....	.....	1	400	157
63	....	..	.....	504	.....	...	....	.....	....	1	1	.....	1	.....	1	136	107
64	....	..	.....	.....	.....	...	....	.....	....	.....	.....	1	1	.....	1	284	260
65	....	1	1	212	.....	...	....	223	....	.....	.....	.....	....	.....	1	433	156
66	20	..	.....	.....	20	...	103	.....	79	.....	.....	.....	....	.....	1	560	539
67	....	..	.....	.....	.....	...	....	.....	....	.....	.....	.....	....	.....	1	280	180
68	....	..	.....	.....	.....	...	56	.....	....	.....	.....	.....	....	.....	1	809	455
69	....	..	.....	.....	.....	...	158	.....	....	.....	.....	1	1	.....	1	931	681
70	....	..	.....	.....	.....	...	37	.....	....	.....	.....	1	1	.....	1	800	500
71	....	..	.....	.....	.....	...	....	.....	....	.....	.....	.....	....	.....	1	13	10
	39	19	106	9,490	133	41	1288	1,828	141	11	2	20	18	5	79	33169	18694
1	326	36	357	13047	304	7	2385	579	714	17	3	3	4	6	298	43395	17747
2	1,127	..	1,771	6,422	921	255	3543	256	1309	43	95	5	29	71	131	51594	27127
3	39	19	106	9,490	133	41	1288	1,828	141	11	2	20	18	5	79	33169	18694
4	37	..	32	486	28	...	199	131	30	2	.....	.....	....	1	15	3,669	2,344
5	1,529	55	2,266	29445	1386	303	7415	2,794	2194	73	100	28	51	83	523	131827	65912
6	1,261	..	1,815	29632	1732	739	6993	11114	2176	.....	.....	.....	....	.....	....	......	.....
7	268	..	451	.....	.....	...	422	.....	18	.....	.....	.....	....	.....	....	......	.....
8	....	..	.....	187	346	436	....	8,320	....	.....	.....	.....	....	.....	....	......	.....
9	1.8	06	2.6	35.06	1.6	.36	8.8	3.3	2.6	11.7	16.1	4.5	....	13.3	84.2	......	.....

CONTINUATION

I. TABLE H.—FINAN

Continuation Schools	Receipts					
	Legislative Grants	Municipal Grants (county)	Municipal Grants (local)	School Fees	Balances and other sources	Total Receipts
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1 Aberfoyle	335 75	335 75	1,254 72	......	......	1,926 22
2 Acton	886 10	886 10	2,209 77	226 50	80 60	4,289 07
3 Agincourt	600 78	600 78	800 00	142 00	1,232 41	3,375 97
4 Ailsa Craig	425 90	1,256 71	775 00	62 67	68 11	2,588 39
5 Alvinston	875 47	1,273 53	1,274 31	161 00	47 60	3,631 91
6 Arkona	429 85	709 47	800 00	80 00	21 84	2,041 16
7 Ayr	882 90	240 39	1,412 94	226 78	1,365 44	4,128 45
8 Bancroft	2,866 26	300 00	......	......	1,019 68	4,185 94
9 Bath	776 31	1,076 31	625 00	84 00	509 97	3,071 59
10 Beaverton	890 58	1,490 58	1,442 09	201 00	55 14	4,079 39
11 Beeton	833 05	1,780 58	1,650 00	154 00	1,328 37	5,746 00
12 Belmont	907 55	1,433 86	1,500 00	360 00	2,610 82	6,812 23
13 Blenheim	913 05	1,413 05	1,972 49	282 00	70 40	4,650 99
14 Blind River	2,040 10	......	1,799 76	231 00	25 50	4,096 36
15 Blyth	636 85	......	2,121 05	274 45	84 91	3,117 26
16 Bolton	418 00	918 00	1,439 50	152 00	9 00	2,936 50
17 Bothwell	860 45	1,360 45	4,670 00	184 00	398 75	7,473 65
18 Bowesville	410 82	510 82	1,089 18	10 00	107 36	2,128 18
19 Bridgeburg	940 00	2,617 29	6,148 62	50 00	45 45	9,801 36
20 Bruce Mines	2,169 52	......	2,500 00	8 00	262 63	4,940 15
21 Brussels	878 75	1,757 50	1,600 00	278 25	2,365 87	6,880 37
22 Burk's Falls	1,784 78	......	1,885 28	285 00	315 00	4,270 06
23 Cannington	873 50	1,575 31	1,555 95	408 00	983 08	5,395 84
24 Cardinal	844 02	1,365 24	531 03	188 00	637 60	3,565 89
25 Carp	861 77	1,061 77	1,700 00	243 50	924 52	4,791 56
26 Chapleau	1,700 10	......	2,500 00	213 00	2,126 82	6,539 92
27 Claremont	702 52	1,302 50	1,000 00	143 00	436 79	3,584 81
28 Clifford	830 15	1,258 61	2,127 66	268 00	45 40	4,529 82
29*Cobden	......	......	1,484 94	......	......	1,484 94
30 Cochrane	702 80	......	1,450 00	......	50 09	2,202 89
31 Coldwater	875 75	724 90	2,200 00	193 00	329 40	4,323 05
32 Comber	852 15	200 00	......	168 00	2,945 82	4,165 97
33 Cookstown	916 50	1,961 46	1,855 00	172 00	129 75	5,034 71
34 Creemore	881 40	2,704 45	34 71	289 00	......	3,909 56
35 Delaware	852 05	1,534 02	1,000 00	83 45	2,244 67	5,714 19
36 Delhi	447 25	597 25	934 16	56 00	......	2,034 66
37*Denbigh	600 00	......	80 00	......	1,069 29	1,749 29
38*Devizes	......	......	1,370 76	......	......	1,370 76
39*Dorchester	......	......	2,399 99	......	2,003 50	4,403 49
40 Drayton	2,083 03	2,625 85	1,375 40	364 00	150 40	6,598 68
41 Dresden	890 35	1,390 35	1,500 00	305 00	153 69	4,239 39
42 Drumbo	604 10	604 10	1,841 25	56 00	1,194 28	4,299 73
43 Dryden	2,205 60	......	1,488 48	......	4 50	3,698 58
44 Eganville	875 06	875 06	800 00	251 30	957 78	3,759 20
45 Eganville (R.C.S.S.)	589 76	589 76	600 00	127 00	1,534 21	3,440 73
46 Elmira	899 25	1,139 83	2,884 58	241 40	89 50	5,254 56
47 Elmvale	902 05	2,183 88	2,346 29	123 50	890 69	6,446 41
48 Ennismore	696 52	696 52	500 00	570 00	225 83	2,688 87
49 Erin	618 10	618 10	1,168 00	84 00	811 65	3,299 85
50 Espanola	914 74	......	......	......	1,292 44	2,207 18
51 Fenelon Falls	880 83	880 83	1,723 38	75 00	95 40	3,655 44
52 Feversham	367 35	......	803 55	24 00	159 55	1,354 45

* Opened in September

SCHOOLS

CIAL STATEMENT

	Expenditure					
	Teachers' Salaries	Buildings, Sites, and all permanent improvements	Repairs to school accommodations	Library, scientific apparatus, maps, etc., typewriters, drawing models and equipment for physical culture	School books, stationery, fuel, examinations and other expenses	Total Expenditure
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1	1,100 00	56 00	......	118 35	590 09	1,864 44
2	3,139 00	195 86	272 81	103 10	555 90	4,266 67
3	1,865 00	158 15	43 00	214 20	827 43	3,107 78
4	1,910 00	107 69	14 95	78 68	268 96	2,380 28
5	2,680 00	313 89	......	51 90	586 12	3,631 91
6	1,450 00	205 22	104 16	36 85	226 17	2,022 40
7	2,880 00	178 78	......	......	617 14	3,675 92
8	3,189 35	60 97	......	22 00	506 92	3,779 24
9	2,450 00	67 14	53 45	40 00	389 44	3,000 03
10	3,080 15	21 25	115 38	97 40	765 21	4,079 39
11	3,120 00	......	......	107 02	326 53	3,553 55
12	3,086 24	1,671 00	......	222 10	1,719 76	6,699 10
13	3,556 00	......	30 00	59 00	1,005 99	4,650 99
14	2,580 00	......	280 00	380 00	856 36	4,096 36
15	2,380 00	190 00	110 00	100 00	328 91	3,108 91
16	1,635 00	......	154 60	378 04	344 90	2,512 54
17	2,690 00	3,163 93	38 95	60 03	628 58	6,581 49
18	1,200 00	132 15	14 00	33 74	710 10	2,089 99
19	5,454 00	1,176 15	38 86	298 25	1,944 10	8,911 36
20	2,840 00	......	23 44	212 83	1,050 41	4,126 68
21	3,258 00	78 20	......	93 43	853 15	4,282 78
22	3,168 65	475 37	21 81	33 02	571 21	4,270 06
23	2,740 00	94 88	......	93 25	1,568 30	4,496 43
24	2,820 00	175 00	......	......	570 89	3,565 89
25	2,981 58	....	......	285 03	689 93	3,956 54
26	4,043 50	766 75	......	68 57	847 33	5,726 15
27	2,840 00	......	8 00	17 66	505 09	3,370 75
28	2,500 00	......	140 15	459 72	1,429 95	4,529 82
29	600 00	293 54	482 34	61 66	47 40	1,484 94
30	1,926 35	......	23 77	72 25	118 80	2,141 17
31	3,139 00	......	115 56	123 50	728 57	4,106 63
32	2,780 00	747 80	......	177 73	123 20	3,828 73
33	2,741 00	261 67	......	374 95	732 23	4,109 85
34	2,965 00	229 23	......	45 67	669 66	3,909 56
35	2,740 00	1,343 00	64 00	75 53	1,350 02	5,572 55
36	1,700 00	......	59 01	74 11	201 54	2,034 66
37	532 00	493 88	188 89	329 95	73 76	1,618 48
38	520 00	508 25	......	342 51	......	1,370 76
39	1,360 00	1,584 52	......	645 72	305 50	3,895 74
40	4,820 00	135 85	7 37	62 46	1,573 00	6,598 68
41	2,200 00	222 60	......	......	1,552 64	3,975 24
42	1,850 00	408 88	......	33 82	446 78	2,739 48
43	2,880 00	308 12	58 12	138 79	313 55	3,698 58
44	2,830 99	117 00	......	42 00	474 00	3,463 99
45	1,500 00	200 64	36 57	142 81	652 39	2,532 41
46	3,580 00	......	470 63	64 27	1,052 16	5,107 06
47	3,100 00	353 08	53 49	58 63	1,120 01	4,685 21
48	2,250 00	60 00	10 50	86 82	275 75	2,683 07
49	2,110 00	......	......	120 00	763 75	2,993 75
50	1,500 00	......	......	44 00	396 83	1,940 83
51	2,820 00	......	195 37	69 47	570 60	3,655 44
52	1,140 00	10 20	50 77	125 25	28 23	1,354 45

CONTINUATION

I. TABLE H.—FINAN

Continuation Schools	Receipts					
	Legislative Grants	Municipal Grants (county)	Municipal Grants (local)	School Fees	Balances and other sources	Total Receipts
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
53 Finch	880 83	1,192 95	2,150 00	111 20	434 85	4,769 83
54 Fingal	865 85	2,164 63	1,000 00	37 00	467 01	4,534 49
55 Frankford	850 61	2,429 47	400 00	......	106 91	3,786 99
56 Gore Bay	1,692 80	......	1,528 28	194 74	70 98	3,486 80
57 Grand Valley	900 05	955 00	1,859 59	365 42	72 00	4,152 06
58 Hanover	914 70	1,372 05	2,356 62	299 00	193 43	5,135 80
59 Harrow	861 80	200 00	2,019 53	160 00	2,010 00	5,251 33
60 Havelock	879 29	1,241 07	2,150 30	49 00	4 00	4,323 66
61*Hensall	......	......	866 79	......	......	866 79
62 Hepworth	382 95	160 48	415 65	137 00	1,091 16	2,187 24
63 Highgate	866 95	1,366 95	2,655 76	315 76	2,373 85	7,579 27
64*Holstein	......	100 00	1,150 97	......	264 73	1,515 70
65 Huntsville	1,805 90	......	3,934 54	280 00	29 70	6,050 14
66*Ilderton	......	......	1,762 87	......	2,559 22	4,322 09
67*Iroquois Falls	......	......	1,286 35	......	......	1,286 35
68*Islington	......	......	1,720 00	......	......	1,720 00
69 Jarvis	452 00	990 05	223 96	57 20	82 00	1,805 21
70 Jockvale	432 05	632 05	700 00	......	32 99	1,797 09
71 Kars	726 99	826 99	1,555 48	31 00	......	3,140 46
72 Keewatin	1,828 10	......	2,499 29	44 50	589 00	4,960 89
73 Kenmore	874 59	1,074 44	1,592 63	302 00	156 84	4,000 50
74 Kinburn	608 62	608 62	1,473 59	150 00	506 03	3,346 86
75 Lakefield	889 50	889 50	4,500 00	......	194 25	6,473 25
76*Lambeth	......	......	1,338 25	......	12 50	1,350 75
77 Lanark	875 28	1,048 91	1,900 00	289 00	1,858 32	5,971 51
78 Lansdowne	621 76	621 76	2,179 79	......	1,833 37	5,256 68
79 Lion's Head	345 95	864 87	......	50 00	331 03	1,591 85
80 Little Current	863 60	......	1,033 80	190 00	15 00	2,102 40
81 Lobo	804 05	1,980 67	1,500 00	20 00	1,746 06	6,050 78
82 Lucknow	888 60	2,221 50	1,050 00	......	914 50	5,074 60
83 Malakoff	594 46	794 46	1,437 00	24 00	544 73	3,394 65
84 Manitowaning	853 60	......	1,262 06	110 00	111 13	2,336 79
85 Manotick	582 36	200 00	1,133 33	66 00	263 68	2,245 37
86 Marmora	1,882 84	305 00	4,100 00	355 00	2,390 63	9,033 47
87 Massey	......	......	1,148 90	90 00	348 06	1,586 96
88 Maxville	878 21	1,411 79	1,500 00	......	162 55	3,952 55
89 Melbourne	865 55	1,322 91	1,000 00	107 00	836 12	4,131 58
90 Merlin	860 15	1,360 15	1,500 80	229 50	204 90	4,155 50
91 Merrickville	859 72	1,259 72	655 02	289 06	500 00	3,563 52
92 Metcalfe	856 90	1,056 90	1,775 00	193 00	222 43	4,104 23
93 Millbrook	854 79	1,660 77	1,800 00	600 00	1,040 17	5,955 73
94 Milverton	862 65	1,319 70	2,005 64	189 00	87 50	4,464 49
95*Mimico	......	......	8,310 08	159 50	32 00	8,501 58
96 Minden	700 21	400 21	232 10	126 00	606 81	2,065 33
97 Morriston	322 86	506 14	1,433 64	54 00	13 46	2,330 10
98 Mount Albert	882 11	882 11	1,000 00	305 00	58 40	3,127 62
99 Mount Brydges	876 90	1,868 23	1,000 00	150 65	1,680 67	5,576 45
100 Navan	623 78	......	1,000 00	54 00	2,206 46	3,884 24
101 New Hamburg	880 90	1,167 92	1,752 18	169 00	......	3,970 00
102 New Liskeard	1,811 16	......	2,800 00	154 00	852 49	5,617 65
103 North Augusta	856 74	1,256 74	850 00	113 00	387 73	3,464 21
104 North Gower	822 00	922 00	1,400 00	......	725 00	3,869 00

* Opened in September

SCHOOLS (Continued)

CIAL STATEMENT (Continued)

	Expenditure					
	Teachers' Salaries	Buildings, Sites, and all permanent improvements	Repairs to school accommodations	Library, scientific apparatus, maps, etc., typewriters, drawing models and equipment for physical culture	School books, stationery, fuel, examinations and other expenses	Total Expenditure
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
53	3,330 93	84 75	625 52	....	728 63	4,769 83
54	2,820 00	117 36	10 00	71 46	841 71	3,860 53
55	2,990 00	52 29	......	18 56	702 13	3,762 98
56	2,840 00	......	......	186 80	392 50	3,419 30
57	2,700 00	529 40	......	......	922 66	4,152 06
58	3,686 29	49 55	69 47	12 00	1,318 49	5,135 80
59	2,785 00	49 63	2,000 00	6 78	409 92	5,251 33
60	3,360 00	......	213 12	241 12	509 42	4,323 66
61	560 00	......	......	306 79	......	866 79
62	1,178 04	170 46	......	125 68	713 06	2,187 24
63	3,100 00	72 36	228 50	73 60	481 42	3,955 88
64	420 00	524 76	140 00	326 53	104 41	1,515 70
65	5,067 07	94 07	100 00	110 00	572 00	5,943 14
66	1,120 00	2,479 12	......	429 95	197 30	4,226 37
67	1,200 00	......	......	86 35	......	1,286 35
68	624 00	574 59	4 29	397 12	120 00	1,720 00
69	1,480 00	15 00	......	53 47	222 62	1,771 09
70	1,348 90	80 64	......	14 85	280 10	1,724 49
71	2,668 21	98 88	......	4 52	368 85	3,140 46
72	3,660 00	9 09	24 00	34 36	1,233 44	4,960 89
73	3,140 00	......	31 08	......	829 42	4,000 50
74	2,239 49	......	68 01	719 02	320 34	3,346 86
75	4,460 00	318 00	90 00	182 00	1,344 50	6,394 50
76	500 10	577 25	......	21 97	25 09	1,124 41
77	2,750 00	......	39 21	......	647 26	3,436 47
78	2,329 99	143 70	......	345 33	518 52	3,337 54
79	1,120 00	50 00	......	......	421 85	1,591 85
80	1,500 00	200 00	25 60	75 00	301 80	2,102 40
81	2,800 00	755 45	100 08	439 97	1,505 26	5,600 76
82	3,400 00	368 00	220 00	125 00	725 00	4,838 00
83	1,896 52	......	......	134 54	333 10	2,364 16
84	1,500 00	......	435 23	83 46	288 64	2,307 33
85	1,400 00	162 06	......	188 38	452 08	2,202 52
86	3,680 00	1,957 14	737 00	304 93	2,240 29	8,919 36
87	1,320 00	......	......	73 00	193 96	1,586 96
88	2,820 00	15 75	23 50	74 81	874 12	3,808 18
89	2,886 00	576 11	......	157 49	511 98	4,131 58
90	2,930 03	......	......	130 37	1,072 02	4,132 42
91	2,750 00	......	95 05	148 70	549 77	3,543 52
92	2,940 00	133 80	59 40	218 53	697 16	4,048 89
93	3,196 00	221 35	39 24	138 74	995 18	4,590 51
94	3,460 00	320 47	......	226 71	226 15	4,233 33
95	3,858 00	2,658 35	376 57	519 38	1,089 28	8,501 58
96	1,240 00	3 00	......	548 97	273 36	2,065 33
97	1,080 00	75 00	59 05	78 10	461 08	1,753 23
98	2,740 00	......	......	30 26	332 35	3,102 61
99	3,098 04	303 97	6 45	75 76	1,621 98	5,106 20
100	1,990 00	35 09	28 50	87 29	1,063 50	3,204 38
101	3,170 00	......	250 00	......	550 00	3,970 00
102	3,620 00	16 55	......	62 78	1,618 32	5,317 65
103	2,820 00	144 91	74 80	63 25	349 79	3,452 75
104	2,540 00	42 00	99 75	98 40	608 85	3,389 00

CONTINUATION

I. TABLE H.—FINAN

Continuation Schools	Receipts					
	Legislative Grants	Municipal Grants (county)	Municipal Grants (local)	School Fees	Balances and other sources	Total Receipts
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
105 Odessa	833 17	......	1,966 00	129 00	2,648 50	5,576 67
106 Oil Springs	856 60	1,052 43	1,413 02	150 08	......	3,472 13
107 Orono	846 27	......	2,668 83	......	1,460 62	4,975 72
108 Paisley	910 55	2,276 37	245 94	313 75	75 40	3,822 01
109 Pakenham	861 94	1,238 24	2,097 74	490 00	2,320 58	7,008 50
110 Palmerston	874 25	1,251 54	1,267 82	42 00	5 00	3,440 61
111 Plattsville	888 85	191 83	1,481 57	354 00	963 35	3,879 60
112 Port Burwell	869 35	2,173 38	1,000 00	......	1,726 31	5,769 04
113 Port Colborne	924 95	......	8,000 00	......	52,012 00	60,936 95
114 Port Credit	879 55	2,231 48	4,200 00	279 00	3,325 85	10,915 88
115 Powassan	1,473 44	......	2,000 00	372 25	473 30	4,318 99
116 Princeton	601 75	606 90	2,977 08	......	2,738 55	6,924 28
117 Richmond	836 25	1,136 25	1,237 11	491 75	57 50	3,758 86
118 Ridgeway	853 00	136 70	10,371 15	......	69 95	11,430 80
119 Ripley	891 30	2,228 25	1,430 00	320 50	2,792 35	7,662 40
120*Rockwood	......	......	......	......	1,006 50	1,006 50
121 Rodney	898 45	2,246 12	800 00	27 00	806 71	4,778 28
122 Russell	869 91	......	850 00	......	2,059 19	3,779 10
123 St. George	887 20	1,518 34	2,319 75	100 00	239 27	5,064 56
124 Schomberg	440 33	1,134 53	450 64	49 50	......	2,075 00
125 Scotland	827 00	1,639 36	1,969 79	171 00	2,218 07	6,825 22
126 Southampton	910 25	2,275 62	1,028 22	162 40	885 90	5,262 39
127 South Mountain	882 37	1,111 95	1,950 00	......	2,161 00	6,105 32
128 South Porcupine	883 14	......	1,275 35	......	7 10	2,165 59
129 Spencerville	844 75	1,244 75	1,936 64	......	884 03	4,910 17
130 Springfield	869 30	2,201 00	168 57	42 00	777 88	4,058 75
131*Sprucedale	......	......	......	......	832 32	832 32
132 Stayner	848 75	1,059 27	1,500 00	277 25	1,333 84	5,019 11
133 Stella	841 80	1,177 80	600 00	416 00	1,106 93	4,142 53
134 Stouffville	869 30	869 30	1,708 91	630 60	......	4,078 11
135 Sturgeon Falls	1,724 22	......	3,100 00	......	240 30	5,064 52
136*Sunderland	......	......	1,000 00	......	3,018 71	4,018 71
137 Sutton	876 89	876 89	2,002 86	289 25	928 28	4,974 17
138 Tamworth	874 00	1,892 32	1,037 95	......	827 92	4,632 19
139 Tara	871 75	2,179 37	422 66	169 50	44 35	3,687 63
140 Tavistock	881 00	2,204 56	......	143 00	672 45	3,901 01
141 Teeswater	837 10	2,092 75	2,000 00	......	650 21	5,580 06
142*Thamesford	......	......	1,041 44	......	......	1,041 44
143 Thamesville	865 65	1,765 65	1,200 00	185 00	509 12	4,525 42
144 Thessalon	1,712 30	......	2,084 44	......	3 00	3,799 74
145 Thornbury	899 60	1,349 40	1,770 81	217 00	94 40	4,331 21
146 Thorndale	766 20	1,116 00	1,527 17	536 00	1,226 64	5,172 01
147 Tilbury	887 20	1,387 20	2,267 87	161 00	380 00	5,083 27
148 Timmins	890 12	......	4,000 00	......	792 35	5,682 47
149 Tottenham	859 60	2,353 66	1,111 98	336 00	383 05	5,044 29
150 Walkerville	......	......	3,655 73	......	......	3,655 73
151 Warkworth	884 99	517 85	850 00	......	1,792 11	4,044 95
152 Westboro	874 44	982 69	5,732 45	176 00	129 03	7,894 61
153 West Lorne	881 90	2,204 75	874 03	......	......	3,960 68
154 Westmeath	429 28	429 28	614 14	34 00	......	1,506 70
155 Westport	650 65	1,050 65	1,354 48	136 99	......	3,192 77
156 Westport (R.C.S.S.)	529 84	1,491 65	900 00	20 00	554 81	3,496 33

*Opened in September.

SCHOOLS (Continued)

CIAL STATEMENT (Continued)

	Expenditure					
	Teachers' Salaries	Buildings, Sites, and all permanent improvements	Repairs to school accommodations	Library, scientific apparatus, maps, etc., typewriters, drawing models and equipment for physical culture	School books, stationery, fuel, examinations and other expenses	Total Expenditure
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
105	2,700 00	......	......	......	644 45	3,344 45
106	2,611 00	247 23	......	252 64	215 20	3,326 07
107	2,793 62	11 39	10 15	369 56	782 88	3,967 60
108	2,700 00	172 74	48 29	93 23	807 75	3,822 01
109	2,902 50	452 91	36 74	11 65	1,419 91	4,823 71
110	2,900 00	......	71 36	22 94	446 31	3,440 61
111	2,820 00	5 50	59 34	181 80	812 96	3,879 60
112	2,600 00	......	17 88	141 48	480 80	3,240 16
113	5,520 00	50,689 75	116 40	1,253 35	3,097 38	60,676 88
114	3,080 00	660 09	63 14	......	895 65	4,698 88
115	1,960 00	600 00	300 00	478 44	415 00	3,753 44
116	2,630 00	230 62	121 76	109 48	726 17	3,818 03
117	2,739 00	427 28	......	64 02	528 56	3,758 86
118	3,700 00	3,918 84	......	63 97	3,747 99	11,430 80
119	3,380 00	465 40	217 36	205 76	1,165 63	5,434 15
120	260 00	257 94	......	389 39	99 17	1,006 50
121	2,935 95	500 06	......	178 39	480 51	4,094 91
122	3,050 00	......	154 88	......	574 22	3,779 10
123	3,840 00	745 00	......	237 27	242 29	5,064 56
124	1,400 00	......	100 00	149 00	426 00	2,075 00
125	2,560 00	330 00	......	66 58	733 96	3,690 54
126	2,954 00	......	180 00	16 61	1,327 18	4,477 79
127	2,680 00	148 94	14 40	219 79	2,431 90	5,495 03
128	1,464 00	373 10	......	37 00	290 10	2,164 20
129	2,855 90	123 60	21 50	81 71	977 97	4,060 68
130	2,920 00	74 02	......	......	944 23	3,938 25
131	600 00	64 30	......	121 00	47 02	832 32
132	3,180 00	......	2 34	38 00	766 59	3,986 93
133	2,830 00	108 27	......	9 83	326 86	3,274 96
134	3,300 00	......	......	100 58	677 53	4,078 11
135	3,080 00	......	218 58	593 70	1,127 78	5,020 06
136	1,240 00	1,827 25	......	358 00	593 46	4,018 71
137	2,973 50	27 20	......	63 07	581 55	3,645 32
138	3,186 50	100 71	......	81 19	1,189 96	4,558 36
139	3,040 00	......	......	......	647 63	3,687 63
140	2,725 00	......	......	50 00	657 85	3,432 85
141	2,875 00	......	......	22 15	783 91	3,681 06
142	640 00	31 88	7 50	231 95	130 11	1,041 44
143	2,540 00	88 20	54 00	246 02	795 70	3,723 92
144	2,890 00	......	83 92	410 15	415 67	3,799 74
145	3,356 56	......	16 21	363 23	595 21	4,331 21
146	2,938 00	300 00	17 30	49 70	715 85	4,020 85
147	2,863 40	84 00	76 00	219 00	760 87	4,003 27
148	4,027 40	......	......	220 20	908 15	5,155 75
149	3,423 16	631 69	77 40	405 63	506 41	5,044 29
150	2,800 00	267 61	......	416 10	172 02	3,655 73
151	2,720 00	......	......	......	1,324 95	4,044 95
152	5,160 00	1,472 96	255 65	......	1,006 00	7,894 61
153	3,010 54	440 62	......	129 97	379 55	3,960 68
154	1,240 00	......	......	78 45	188 25	1,506 70
155	2,647 73	55 60	......	12 82	476 62	3,192 77
156	1,585 82	211 33	......	41 00	540 00	2,378 15

CONTINUATION

I. TABLE H—FINAN

Continuation Schools	Receipts					
	Legislative Grants	Municipal Grants (county)	Municipal Grants (local)	School Fees	Balances and other sources	Total Receipts
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
157 Wheatley..........	......	......	1,872 46	......	......	1,872 46
158 Winona...........	427 95	627 95	778 81	......	330 48	2,165 19
159 Wroxeter..........	801 70	1,603 40	817 71	149 75	593 10	3,965 66
1 Totals, 1921.......	127,770 38	143,615 10	267,055 75	22,090 90	162,894 49	723,426 62
2 Totals, 1920.......	113,879 42	125,127 46	199,593 26	32,582 29	77,228 74	548,411 17
3 Increases..........	13,890 96	18,487 64	67,462 49	......	85,665 75	175,015 45
4 Decrease...........	......	......	......	10,491 39	......	......
5 Percentages........	17.66	19.85	36.91	3.05	22.51	......

* Opened in September

SCHOOLS (Continued)

CIAL STATEMENT (Concluded)

	Expenditure					
	Teachers' Salaries	Buildings, Sites, and all permanent improvements	Repairs to school accommodations	Library, scientific apparatus, maps, etc., typewriters, drawing models and equipment for physical culture	School books, stationery, fuel, examinations and other expenses	Total Expenditure
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
157	1,160 00	267 00	105 21	57 60	282 65	1,872 46
158	1,380 00	......	102 39	94 45	302 72	1,879 56
159	2,460 00	17 50	15 36	104 50	515 46	3,112 82
1	406,162 00	97,077 07	12,118 43	23,970 50	110,146 40	649,474 40
2	317,602 27	34,773 90	7,483 24	17,433 11	95,792 66	473,085 18
3	88,559 73	62,303 17	4,635 19	6,537 39	14,353 74	176,389 22
4	....	......	......	......	......	......
5	62.53	14.94	1.86	3.69	16.95	......

CONTINUATION

II. TABLE I—SCHOOLS UNDER PUBLIC SCHOOL

Continuation Schools	Schools under Public or Separate School Board	Value of General									
		Library	Scientific Apparatus	Charts, Maps and Globes	Art Models	Typewriters	Biological Specimens	Equipment for Physical Culture	Gymnasium, not including Equipment	Museum	Aquarium or Herbarium
		$	$	$	$	$	$	$	$	$	$
1 Aberfoyle	......	151	110	65	32	....	64	....	......	...	....
2 Acton	1	362	490	50	36	....	52	51	......	...	....
3 Agincourt	1	214	313	100	39	....	74	26	......	...	....
4 Ailsa Craig	1	69	228	50	37	....	20	....	......	...	....
5 Alvinston	1	408	372	91	59	....	77	65	......	...	....
6 Arkona	1	256	195	14	35	....	57	9	......	...	....
7 Ayr	......	300	438	42	52	....	32	....	......	...	....
8 Bancroft	1	246	289	70	28	....	36	....	......	...	....
9 Bath	1	211	299	71	27	....	36	....	......	...	....
10 Beaverton	1	278	546	73	48	....	92	72	......	...	....
11 Beeton	1	261	508	66	34	....	40	....	......	...	....
12 Belmont	1	313	612	38	29	....	34	....	......	...	....
13 Blenheim	1	426	510	71	61	....	52	16	......	...	....
14 Blind River	1	286	362	54	39	....	54	59	......	...	....
15 Blyth	1	271	415	78	72	....	59	....	......	...	6
16 Bolton	1	343	231	59	61	....	62	....	......	...	....
17 Bothwell	1	273	417	28	29	....	30	....	......	...	....
18 Bowesville	1	169	137	40	36	....	23	....	......	...	....
19 Bridgeburg	1	502	1,150	84	69	75	138	20	......	...	....
20 Bruce Mines	1	201	470	97	42	....	59	....	......	...	....
21 Brussels	1	396	386	111	48	....	44	54	......	...	....
22 Burk's Falls	1	279	369	101	54	....	76	46	......	...	....
23 Cannington	1	249	580	34	59	....	41	86	......	...	....
24 Cardinal	1	292	300	69	50	....	66	30	......	...	....
25 Carp	1	296	384	72	40	....	65	....	......	...	....
26 Chapleau	......	194	338	29	49	....	40	8	......	...	....
27 Claremont	1	312	370	68	39	....	39	20	......	...	....
28 Clifford	1	361	300	74	46	100	43	7	......	...	....
29 Cobden	1	87	71	14	28	....	......	....	......	...	....
30 Cochrane	1	147	165	23	49	....	45	29	......	...	....
31 Coldwater	1	309	485	56	49	....	49	....	......	...	....
32 Comber	1	251	373	66	42	....	45	10	......	...	5
33 Cookstown	1	396	761	46	70	....	40	9	......	...	....
34 Creemore	1	279	352	20	62	....	59	....	......	...	....
35 Delaware	1	290	276	61	51	....	59	20	......	...	20
36 Delhi	1	240	238	52	70	....	43	18	......	...	....
37 Denbigh	1	82	127	45	17	....	37	....	......	...	....
38 Devizes	1	118	89	28	38	....	69	....	......	...	....
39 Dorchester	......	95	420	65	.....	....	44	11	......	...	....
40 Drayton	1	390	499	123	56	....	56	5	......	...	....
41 Dresden	1	320	417	75	46	....	34	17	......	...	....
42 Drumbo	1	238	250	54	70	....	37	....	......	...	....
43 Dryden	1	302	387	76	43	....	77	9	......	..	....
44 Eganville	1	260	352	37	23	....	49	15	......	...	....
45 Eganville (R. C. S. S.)	1	501	391	52	68	....	66	305	3,000	18	3
46 Elmira	1	299	405	54	58	....	42	40	......	...	....
47 Elmvale	1	259	549	66	63	....	24	14	......	...	7
48 Ennismore	1	292	371	30	42	....	47	30	......	...	....
49 Erin	1	298	352	36	55	....	12	....	......	...	....
50 Espanola	......	194	325	86	32	....	66	3	......	...	....
51 Fenelon Falls	1	359	377	50	51	....	58	29	......	...	....
52 Feversham	1	153	117	46	50	....	36	....	......	...	....
53 Finch	1	375	563	117	62	....	84	10	......	...	....
54 Fingal	1	237	493	53	51	....	33	29	......	...	6
55 Frankford	1	268	371	53	49	....	50	14	......	...	....
56 Gore Bay	1	282	376	40	48	....	40	8	......	...	....

SCHOOLS (Continued)

BOARD, VALUE OF EQUIPMENT, ETC.

	Equipment		Religious and other Exercises					Destination of Pupils							
	Pictures	Total Value of General Equipment	Schools in which the Bible or Selections therefrom are used	Schools in which Passages are Memorized	Schools Opened with Prayer	Schools Closed with Prayer	Commencement Exercises	Commerce	Agriculture	Law, Medicine, Dentistry or the Church	Teaching	The Trades	Other Occupations	Other Continuat'n or High Schools	Without Occupation
	$	$													
1		422	1		1									1	
2		1,041	1		1			1	1			5	1	8	3
3		766	1		1				2		1			4	1
4		404			1		1					1		3	3
5		1,072	1		1			1	6			2	1	1	
6		566	1		1				1				1	8	
7		864			1				4		2		2	2	
8		669			1			1	5	1	12	3	3	1	2
9		644	1		1						2		2	4	
10	202	1,311	1		1		1	1			2		1	2	4
11		909	1		1					2	4	2	1	7	2
12	50	1,076	1		1	1	1			3	5		3	2	
13		1,136	1		1			2	3	2		2	3		
14		854	1		1								4	2	2
15		901	1		1						4			1	3
16	5	761	1		1		1					1	2	5	
17		777			1				2	1	3				1
18		405			1		1	2							
19	50	2,088			1			2	3			3	3	1	2
20		869			1								2	1	1
21	42	1,081	1		1				2		3		4	5	7
22	34	959			1				1		1	4		4	1
23	148	1,197			1		1	3	1		4	2	10	2	
24		807	1		1			4	1		1		2	1	
25		857	1		1				1	1	1	1	3	2	8
26	6	664			1			2			2	1	5	1	2
27	18	866			1		1		5	3	3			3	
28		931			1			1	1	1				3	4
29		200	1		1	1	1								
30	10	468	1		1			1				2	3	3	
31		948			1			2			4			2	3
32	25	817	1		1		1		1		1		1		
33		1,322			1			1			3				1
34		772	1		1			2	1		3		1	1	4
35	27	804			1	1		1	7	1		1		2	
36		661			1			2	1				2	4	
37	6	314	1		1										
38		342	1		1	1									
39		635	1		1										
40		1,129	1		1		1	2	9		6	1	2	6	
41		909			1			2	2	1	3	1	1	4	2
42	20	669	1		1				1					1	3
43		894			1								1	2	2
44		736	1		1		1	2		2	3				2
45	29	4,433	1	1	1	1	1		2	3	7		4	6	
46		898			1			4	2	2	2	4	3	4	
47	13	995			1			1			1			2	1
48	4	816	1		1	1					2				1
49		753	1		1			2	3					3	6
50	15	721			1	1					1	1		3	1
51	18	942			1			2			4		1	1	3
52	8	410	1		1				1			1		2	
53	25	1,236	1		1	1		1	7	2	2	1	1	5	4
54		902			1				2	2	3			1	
55		805			1				3		2	4			1
56		794	1		1	1		1	1	1	2	1	2	2	1

CONTINUATION

II. TABLE I—SCHOOLS UNDER PUBLIC SCHOOL

Continuation Schools	Schools under Public or Separate School Board	Value of General									
		Library	Scientific Apparatus	Charts, Maps and Globes	Art Models	Typewriters	Biological Specimens	Equipment for Physical Culture	Gymnasium, not including Equipment	Museum	Aquarium or Herbarium
		$	$	$	$	$	$	$	$	$	$
57 Grand Valley	1	323	593	75	79	....	30	73	......	...	....
58 Hanover	1	396	538	62	51	....	74	22	......	...	....
59 Harrow	1	226	323	49	40	....	.....	.....	......	...	....
60 Havelock	1	475	324	89	41	....	52	12	......	...	....
61 Hensall	1	143	176	79	16	....	58	.....	......	...	....
62 Hepworth	1	158	193	50	60	....	51	.....	......	...	....
63 Highgate	1	319	310	78	41	....	.....	17	......	...	....
64 Holstein	......	145	100	80	5	....	39	37	......	...	....
65 Huntsville	1	390	610	116	61	....	67	108	50	...	....
66 Ilderton	......	60	142	51	21	....	24	.....	......	...	....
67 Iroquois Falls	1	108	335	119	78	35	3	.....	......	...	....
68 Islington	1	147	147	.....	59	....	22	.....	......	...	....
69 Jarvis	1	334	229	38	55	....	48	.....	......	...	....
70 Jockvale	1	158	210	57	22	....	34	20	......	...	....
71 Kars	1	185	213	68	41	....	28	45	......	...	....
72 Keewatin	1	315	427	101	42	300	26	5	......	...	....
73 Kenmore	1	284	500	30	55	....	79	22	......	...	....
74 Kinburn	1	210	360	67	7	....	51	24	......	...	....
75 Lakefield	1	353	827	116	42	....	68	.....	......	...	....
76 Lambeth	1	197	42	47	.....	....	.....	50	......	...	....
77 Lanark	1	295	426	62	46	....	56	27	......	...	....
78 Lansdowne	1	238	377	40	35	....	46	11	......	...	....
79 Lion's Head	1	123	216	47	40	....	43	.....	......	...	....
80 Little Current	1	201	147	92	30	....	23	72	......	...	....
81 Lobo	......	225	323	109	11	....	44	.....	......	...	....
82 Lucknow	1	359	545	70	44	....	73	16	......	...	....
83 Malakoff	1	139	316	53	31	....	47	.....	......	...	....
84 Manitowaning	1	147	188	33	46	....	38	23	......	...	....
85 Manotick	1	147	254	38	42	....	13	20	......	...	....
86 Marmora	......	267	619	75	48	....	52	.....	......	...	....
87 Massey	1	238	169	42	17	....	53	.....	......	...	....
88 Maxville	1	249	408	38	50	....	51	.....	......	...	....
89 Melbourne	1	272	405	55	48	....	37	30	......	...	....
90 Merlin	1	296	413	50	58	....	49	27	......	...	....
91 Merrickville	1	288	378	59	34	....	62	18	......	...	....
92 Metcalfe	1	301	443	53	41	....	54	.....	......	...	....
93 Millbrook	1	426	420	88	67	....	70	.....	......	...	....
94 Milverton	1	201	336	54	32	....	42	.....	......	...	....
95 Mimico	1	320	433	136	79	....	78	110	......	...	....
96 Minden	1	35	71	.....	.....	....	18	.....	......	...	....
97 Morriston	1	22	124	23	28	....	32	.....	......	...	....
98 Mount Albert	1	368	447	79	42	....	33	.....	......	...	....
99 Mount Brydges	......	311	366	60	33	....	39	84	......	...	....
100 Navan	1	215	290	17	42	....	70	.....	......	...	....
101 New Hamburg	1	315	400	55	51	....	82	.....	......	...	....
102 New Liskeard	1	393	458	104	86	....	107	.....	......	...	....
103 North Augusta	1	275	236	51	41	....	8	9	......	...	....
104 North Gower	1	366	264	57	40	....	51	11	......	...	....
105 Odessa	1	314	376	69	46	....	37	18	......	...	....
106 Oil Springs	1	329	343	36	58	....	55	17	......	...	....
107 Orono	1	208	320	100	39	....	48	.....	......	...	....
108 Paisley	1	300	521	71	65	....	91	31	......	...	....
109 Pakenham	1	254	459	33	53	....	36	.....	......	...	....
110 Palmerston	1	334	304	64	60	....	52	.....	......	...	....
111 Plattsville	1	349	417	67	55	....	58	14	......	...	....
112 Port Burwell	1	381	558	93	39	....	33	5	......	...	....

SCHOOLS (Continued)

BOARD, VALUE OF EQUIPMENT, ETC. (Continued)

	Equipment		Religious and other Exercises					Destination of Pupils							
	Pictures	Total Value of General Equipment	Schools in which the Bible or Selections therefrom are used	Schools in which Passages are Memorized	Schools Opened with Prayer	Schools Closed with Prayer	Commencement Exercises	Commerce	Agriculture	Law, Medicine, Dentistry or the Church	Teaching	The Trades	Other Occupations	Other Continuat'n or High Schools	Without Occupation
	$	$													
57	....	1,173	1	....	1	1	....	....	....	2	1	1	9	1	4
58	67	1,210	1	....	1	1	1	2	....	....	2	2	6	10	3
59	....	638	1	....	1	....	....	2	2	....	....	....	2	2	3
60	20	1,013	1	....	1	....	....	....	1	....	2	....	4	2	1
61	....	472	1	....	1	1	....	....	....	....	....	....	....	....	....
62	....	512	1	....	1	1	....	3	....	....	....	....	1	3	....
63	30	795	....	....	1	....	....	....	11	....	1	....	2	4	....
64	....	406	1	....	1	....	....	....	....	....	....	....	....	....	....
65	40	1,442	1	....	1	....	....	3	1	....	4	2	1	5	4
66	....	298	1	....	1	....	....	....	....	....	....	....	....	....	....
67	70	748	1	....	1	....	....	....	....	....	....	....	....	....	....
68	....	375	....	....	1	....	....	....	....	....	....	....	....	....	....
69	....	704	1	....	1	....	....	....	....	....	....	2	....	11	3
70	....	501	1	....	1	1	....	....	....	....	....	....	....	....	....
71	....	580	1	....	1	....	1	....	....	....	2	....	3	....	....
72	....	1,216	1	....	1	....	....	1	1	2	....	3	5	....	....
73	10	980	....	....	1	....	....	....	1	....	1	....	2	....	3
74	12	731	1	....	1	....	....	....	1	....	1	1	1	1	....
75	....	1,406	1	....	1	1	....	2	1	3	2	2	....	....	....
76	....	336	....	....	1	1	....	....	....	....	....	....	....	....	....
77	5	917	....	....	1	....	....	....	10	2	....	....	12	4	....
78	....	747	1	....	1	....	....	1	1	....	1	....	....	1	1
79	....	469	1	....	1	1	....	....	1	....	....	....	....	4	....
80	6	571	1	....	1	....	....	....	1	....	1	1	1	1	4
81	....	712	1	....	1	....	....	....	2	....	....	....	1	4	....
82	....	1,107	1	....	1	....	1	2	2	....	3	1	....	2	7
83	....	586	1	....	1	....	....	....	2	....	1	....	2	....	....
84	....	475	1	....	1	....	....	....	4	....	1	....	2	2	3
85	15	529	1	....	1	....	....	....	3	....	1	....	1	4	3
86	....	1,061	....	....	1	....	....	2	2	....	2	....	....	3	....
87	....	519	1	....	1	....	....	....	....	....	....	....	....	....	....
88	....	796	....	....	1	....	....	....	6	1	2	....	5	....	....
89	....	847	1	....	1	....	....	....	1	....	1	....	1	6	4
90	....	893	1	....	1	....	....	1	1	1	2	....	1	....	....
91	....	839	1	....	1	....	....	1	....	....	2	....	....	4	3
92	10	902	....	....	1	....	....	....	3	1	....	....	....	....	1
93	....	1,071	1	....	1	....	....	....	2	....	2	....	4	6	11
94	....	665	....	....	1	....	....	2	....	....	4	....	4	....	....
95	....	1,156	1	....	1	1	....	4	2	2	....	3	5	11	18
96	....	124	1	....	1	....	....	1	....	....	2	4	2	1	1
97	....	229	1	....	1	....	....	....	2	....	....	....	....	....	....
98	....	969	1	....	1	....	....	1	1	....	2	....	1	1	3
99	24	917	1	....	1	....	1	1	....	....	7	....	....	1	....
100	....	634	....	....	1	....	....	....	....	1	2	....	4	2	....
101	....	903	....	....	1	....	....	4	3	2	....	....	....	2	....
102	....	1,148	1	....	1	....	....	....	....	....	5	....	2	3	....
103	....	620	1	....	1	....	1	....	....	....	1	....	3	2	....
104	10	799	1	....	1	....	....	....	2	....	1	....	....	1	3
105	12	872	1	....	1	....	1	....	....	1	7	2	....	....	....
106	15	853	1	....	1	....	....	....	....	....	2	2	....	1	2
107	5	720	1	....	1	....	1	1	....	1	1	....	....	7	....
108	....	1,079	1	....	1	1	....	3	6	1	2	....	1	5	....
109	....	835	....	....	1	....	....	....	....	....	4	....	....	4	....
110	....	814	1	....	1	....	....	1	5	....	1	....	8	7	....
111	45	1,005	1	....	1	....	....	2	2	....	1	1	....	4	....
112	25	1,134	1	....	1	....	....	....	....	....	....	....	2	3	1

CONTINUATION

II. TABLE I—SCHOOLS UNDER PUBLIC SCHOOL

Continuation Schools	Schools under Public or Separate School Board	Value of General									
		Library	Scientific Apparatus	Charts, Maps and Globes	Art Models	Typewriters	Biological Specimens	Equipment for Physical Culture	Gymnasium, not including Equipment	Museum	Aquarium or Herbarium
		$	$	$	$	$	$	$	$	$	$
113 Port Colborne	1	443	952	60	79	....	38	889	......	...	....
114 Port Credit	1	359	424	83	35	....	83	.....	......	...	....
115 Powassan	1	164	605	89	29	....	39	.....	......	...	....
116 Princeton	1	331	268	65	38	....	57	27	......	...	....
117 Richmond	1	209	209	51	40	....	33	6	......	...	....
118 Ridgeway	1	345	743	55	40	....	22	7	......	...	....
119 Ripley	1	426	400	63	58	....	67	.....	......	...	....
120 Rockwood	1	88	93	61	47	....	88	.....	......	...	....
121 Rodney	1	449	324	49	53	....	41	6	......	...	....
122 Russell	1	242	363	50	50	....	72	.....	......	...	5
123 St. George	......	348	408	63	50	....	52	.....	......	...	....
124 Schomberg	1	209	229	51	44	....	.....	.....	......	...	....
125 Scotland	1	282	298	74	77	....	59	15	......	...	....
126 Southampton	1	302	621	84	56	60	25	9	......	...	....
127 South Mountain	1	232	494	77	73	....	39	21	......	...	....
128 South Porcupine	1	213	166	60	44	....	57	35	......	...	....
129 Spencerville	1	177	358	37	39	....	38	.....	......	...	....
130 Springfield	1	490	620	86	64	....	116	20	......	...	....
131 Sprucedale	1	45	89	62	38	....	46	.....	......	...	....
132 Stayner	1	253	430	54	62	....	63	18	......	...	....
133 Stella	......	193	400	52	27	....	59	9	......	...	....
134 Stouffville	1	200	401	71	12	....	45	20	......	...	7
135 Sturgeon Falls	1	304	624	89	55	....	73	73	......	...	15
136 Sunderland	1	141	197	96	27	....	30	.....	......	...	....
137 Sutton	1	301	449	67	29	....	31	.....	......	9	....
138 Tamworth	1	286	314	55	35	....	61	.....	......	...	....
139 Tara	1	229	401	43	40	....	18	.....	......	...	....
140 Tavistock	1	425	402	63	43	....	40	20	......	...	....
141 Teeswater	1	307	307	35	46	....	60	.....	......	...	....
142 Thamesford	1	199	130	69	43	..	53	28	......	...	....
143 Thamesville	1	366	341	21	59	....	16	.....	......	...	....
144 Thessalon	1	348	597	114	29	....	39	.....	......	...	....
145 Thornbury	1	294	612	75	34	....	48	.....	......	...	....
146 Thorndale	......	308	349	83	45	....	35	4	......	...	....
147 Tilbury	1	258	344	91	37	....	47	15	......	...	....
148 Timmins	1	205	390	69	44	....	21	.....	......	...	....
149 Tottenham	1	273	412	78	64	10	49	52	......	...	....
150 Walkerville	1	267	149	.....	.....	....	.....	.....	......	...	....
151 Warkworth	1	464	481	65	96	....	68	21	......	...	....
152 Westboro'	1	312	310	55	49	100	51	.....	......	...	....
153 West Lorne	1	365	362	63	61	....	55	15	......	...	....
154 Westmeath	1	186	190	53	30	....	58	.....	......	...	....
155 Westport	1	293	483	38	25	....	73	27	......	...	....
156 Westport (R. C. S. S.)	1	323	290	50	37	....	60	37	......	...	....
157 Wheatley	1	359	299	15	42	....	35	5	......	...	....
158 Winona	1	129	195	28	28	....	33	.....	......	...	....
159 Wroxeter	1	369	374	80	52	....	23	13	......	...	....
1 Totals, 1921	146	42,978	58,337	9,760	7,091	680	7,557	3,564	3,050	27	74
2 Totals, 1920	133	37,392	51,458	7,967	6,234	640	6,281	2,067	3,865	18	39
3 Increases	13	5,586	6,879	1,793	857	40	1,276	1,497	......	9	35
4 Decreases	......	......	......	......	......	......	......	.....	815	...	....
5 Percentages	......	31.90	43.30	7.24	5.26	.50	5.60	2.64	2.26	.02	.05

SCHOOLS (Continued)

BOARD, VALUE OF EQUIPMENT, ETC. (Concluded)

	Equipment		Religious and other Exercises					Destination of Pupils							
	Pictures	Total Value of General Equipment	Schools in which the Bible or Selections therefrom are used	Schools in which Passages are Memorized	Schools Opened with Prayer	Schools Closed with Prayer	Commencement Exercises	Commerce	Agriculture	Law, Medicine, Dentistry or the Church	Teaching	The Trades	Other Occupations	Other Continuat'n or High Schools	Without Occupations
	$	$													
113	....	2,461	....	....	1	....	....	....	2	....	1	3	3	11	2
114	....	984	....	....	1	....	1	1	3	....	....	....	1	2	....
115	....	926	1	....	1	....	....	....	....	....	....	....	2	....	....
116	10	796	1	....	1	....	....	1	....	....	1	1	....	2	2
117	....	548	1	....	1	....	....	....	....	....	....	....	1	....	....
118	....	1,212	1	....	1	....	....	1	1	1	3	1	2	2	....
119	....	1,014	1	....	1	....	1	2	1	....	4	....	1	8	2
120	....	377	1	....	1	....	1	....	....	....	....	....	....	....	....
121	....	922	1	....	1	....	....	....	1	1	2	1	2	1	4
122	35	817	1	....	1	....	....	1	1	....	....	....	4	3	....
123	....	921	....	....	1	....	....	....	6	....	....	3	1	....	4
124	....	533	1	....	1	....	1	3	5	....	....	....	4	2	....
125	24	829	1	....	1	....	....	....	....	....	2	....	....	2	1
126	....	1,157	1	....	1	....	....	....	....	....	....	2	5	2	2
127	62	998	....	....	1	....	1	....	....	....	1	....	1	....	....
128	27	602	1	....	1	....	....	....	....	....	....	1	....	3	....
129	8	657	1	....	1	....	....	3	....	1	....	....	....	1	1
130	....	1,396	1	....	1	....	....	....	4	....	1	....	3	2	4
131	....	280	1	....	1	....	....	....	....	....	....	....	....	....	....
132	....	880	....	....	1	....	....	1	4	2	2	....	1	2	....
133	10	750	1	....	1	1	....	....	....	....	2	....	....	....	....
134	....	756	1	....	1	....	....	3	2	....	....	....	3	4	....
135	....	1,233	....	....	1	....	....	....	....	....	1	....	3	....	2
136	....	491	....	....	1	....	....	....	....	....	....	....	....	....	....
137	....	886	....	....	1	....	....	....	5	....	1	1	1	9	....
138	....	751	1	....	1	....	....	1	2	....	10	1	....	....	....
139	10	741	1	....	1	....	....	3	6	....	4	....	....	6	....
140	15	1,008	1	....	1	....	....	3	4	....	....	....	....	3	3
141	....	755	....	....	1	....	....	6	5	....	3	....	2	6	....
142	....	522	1	....	1	1	1	....	....	....	....	....	....	....	....
143	....	803	....	....	1	....	....	1	7	....	5	....	1	3	....
144	....	1,127	1	....	1	....	....	....	2	....	1	....	6	1	2
145	....	1,063	....	....	1	....	....	....	3	1	5	1	....	4	8
146	11	835	1	....	1	....	....	....	....	1	4	....	....	1	1
147	15	807	1	....	1	....	....	....	....	....	....	....	1	2	3
148	40	769	1	....	1	....	....	....	....	....	....	....	1	2	....
149	....	938	1	....	1	....	....	2	2	....	6	....	2	4	2
150	....	416	1	....	1	....	1	....	....	....	....	....	....	....	....
151	....	1,195	1	....	1	....	....	....	....	....	3	....	3	4	....
152	60	937	1	....	1	....	....	2	1	....	1	....	11	8	....
153	26	947	....	....	1	....	....	1	3	3	2	2	1	....	....
154	....	517	1	....	1	....	....	....	....	....	....	....	2	2	....
155	....	939	1	....	1	....	....	....	....	1	1	....	1	....	....
156	42	839	1	1	1	1	....	....	....	1	4	1	3	....	1
157	....	755	1	....	1	....	....	....	....	....	....	....	....	....	....
158	....	413	1	....	1	1	....	....	1	....	....	....	....	5	1
159	25	936	1	1	1	....	....	....	6	....	3	2	2	6	....
1	1,596	134,714	111	3	159	23	26	121	242	60	249	91	247	376	212
2	1,668	117,629	98	2	143	19	25	280	298	56	228	89	237	336	214
3	....	17,085	13	1	16	4	1	....	....	4	21	2	10	40	....
4	72	....	....	....	....	....	....	159	56	....	....	....	....	....	2
5	1.18	....	69.81	1.88	100	14.46	16.35	7.57	15.14	3.75	15.58	5.69	15.45	23.52	13.26

CONTINUATION

III. TABLE J—ATTENDANCE, PUPILS IN THE SCHOOLS

Continuation Schools	Attendance					Number of Pupils in—			Number of Pupils from—			
	Number of Pupils on the Roll for the Year	Boys	Girls	Average Daily Attendance	Number Admitted for the First Time to a Second'y Sch.	Lower School, Form I	Lower School, Form II	Middle School	Sch. Sec. or Sect'ns forming the Cont'n School District	County Outside Con. Sch. District	Adjacent County or Counties	Other Places
1 Aberfoyle	14	8	6	13	9	7	7	.....	13	1	....	...
2 Acton	68	29	39	58	26	26	19	23	67	.....	1	...
3 Agincourt	30	16	14	26	11	12	9	9	30	.....	....	...
4 Ailsa Craig	31	13	18	26	11	12	12	7	14	16	1	...
5 Alvinston	56	23	33	54	22	23	22	11	48	.....	8	...
6 Arkona	23	16	7	19	18	18	5	.....	2	3	18	...
7 Ayr	51	26	25	35	22	25	22	4	29	2	20	...
8 Bancroft	37	17	20	33	15	14	12	11	36	.....	....	1
9 Bath	35	17	18	32	17	17	10	8	16	17	2	...
10 Beaverton	55	18	37	44	21	24	10	21	26	25	4	...
11 Beeton	31	13	18	26	11	12	8	11	15	15	1	...
12 Belmont	70	27	43	61	29	30	16	24	29	41	....	...
13 Blenheim	72	30	42	54	23	28	25	19	59	13	....	...
14 Blind River	41	13	28	30	21	21	12	8	26	15	....	...
15 Blyth	59	22	37	51	27	27	16	16	27	31	....	1
16 Bolton	19	7	12	17	10	10	9	.....	9	.....	....	10
17 Bothwell	41	17	24	36	12	16	17	8	25	10	6	...
18 Bowesville	11	2	9	9	6	6	5	.....	11	.....	....	...
19 Bridgeburg	64	33	31	56	34	36	22	6	46	18	....	...
20 Bruce Mines	35	11	24	29	10	11	16	8	14	21	....	...
21 Brussels	68	28	40	61	25	28	20	20	68	.....	....	...
22 Burk's Falls	55	20	35	45	22	23	13	19	34	21	....	...
23 Cannington	50	15	35	38	10	9	16	25	28	16	6	...
24 Cardinal	40	16	24	36	16	17	8	15	35	5	....	...
25 Carp	54	18	36	44	22	25	15	14	31	23	....	...
26 Chapleau	48	26	22	40	22	24	19	5	48	.....	....	...
27 Claremont	37	10	27	31	15	15	11	11	16	21	....	...
28 Clifford	37	17	20	31	15	15	13	9	23	3	11	...
29 Cobden	24	11	13	19	17	17	7	.....	17	7	....	...
30 Cochrane	17	5	12	13	13	13	4	.....	17	.....	....	...
31 Coldwater	41	21	20	36	17	17	11	13	24	17	....	...
32 Comber	23	8	15	21	13	14	6	3	22	.....	1	...
33 Cookstown	63	25	38	55	29	30	14	19	62	.....	1	...
34 Creemore	63	28	35	54	33	33	12	18	21	30	12	...
35 Delaware	51	22	29	46	15	15	17	19	17	34	....	...
36 Delhi	32	12	20	25	14	14	18	.....	16	16	....	...
37 Denbigh	21	6	15	18	18	16	5	.....	12	4	5	...
38 Devizes	15	10	5	13	9	10	5	.....	14	.....	1	...
39 Dorchester	36	10	26	30	30	24	7	5	35	1	....	...
40 Drayton	98	45	53	85	32	32	28	38	21	75	1	1
41 Dresden	91	47	44	75	40	40	24	27	44	43	4	...
42 Drumbo	37	21	16	30	21	21	7	9	31	6	....	...
43 Dryden	24	10	14	21	12	14	8	2	20	4	....	...
44 Eganville	40	17	23	38	16	15	11	14	24	16	....	...
45 Eganville(R.C.S.S.)	71	36	35	60	19	18	26	27	42	25	3	1
46 Elmira	71	33	38	63	25	25	27	19	47	14	10	...
47 Elmvale	46	18	28	33	19	22	8	16	24	22	....	...
48 Ennismore	41	21	20	37	12	13	13	15	10	29	2	...
49 Erin	31	7	24	26	12	12	11	8	11	18	2	...
50 Espanola	22	8	14	18	16	16	6	.....	21	.....	....	1
51 Fenelon Falls	66	32	34	59	20	23	22	21	49	16	1	...
52 Feversham	11	6	5	9	7	6	5	.....	11	.....	....	...
53 Finch	76	32	44	55	27	37	24	15	27	49	....	...
54 Fingal	32	16	16	29	11	12	13	7	12	20	....	...
55 Frankford	45	22	23	36	10	20	12	13	18	6	21	...
56 Gore Bay	59	24	35	50	21	21	20	18	35	24	....	...
57 Grand Valley	61	24	37	57	35	35	10	16	15	45	1	...

SCHOOLS (Continued)

AND IN THE VARIOUS SUBJECTS, ETC.

	Number of Pupils from Families whose Head is occupied as below								No. of Pupils in the Various Subjects					
	Commerce	Agriculture	Law, Medicine, Dentistry or the Church	Teaching	The Trades	Labouring Occupations	Other Occupations	Without Occupation	English Grammar	English Composition and Rhetoric	English Literature	Canadian History	British History	Ancient History
1	1	12	.....	.....	.....	.....	1	.....	7	14	14	7	.....	.....
2	10	21	2	.....	5	23	5	2	19	68	68	26	22	22
3	.....	20	3	.....	3	2	2	.....	9	29	29	12	10	10
4	5	16	.....	.....	4	6	.....	.....	14	31	31	12	7	7
5	6	38	1	.....	4	5	1	1	47	56	56	23	10	10
6	1	22	.....	.....	.....	.....	.....	.....	5	23	22	18	.....	.....
7	12	30	1	.....	2	6	.....	.....	13	51	51	25	4	4
8	12	15	2	1	.....	.....	5	2	12	37	37	12	8	7
9	1	25	3	.....	.....	1	5	.....	10	35	35	17	8	7
10	11	29	1	1	3	4	6	.....	25	55	55	24	21	21
11	1	18	2	.....	4	1	3	2	5	31	30	12	11	10
12	8	52	1	.....	1	8	.....	.....	47	70	70	30	23	23
13	11	37	2	.....	11	6	5	.....	25	72	72	28	19	19
14	.....	2	2	.....	7	12	18	.....	33	41	41	21	8	8
15	4	33	1	.....	13	5	3	.....	16	59	59	27	16	14
16	2	11	2	.....	2	1	1	.....	3	19	19	10	.....	.....
17	7	15	.....	.....	5	10	4	.....	33	41	41	16	8	7
18	.....	11	.....	.....	.....	.....	.....	.....	5	11	11	6	.....	.....
19	14	4	.....	.....	18	11	17	.....	.....	64	64	36	5	5
20	7	21	1	.....	3	2	1	.....	17	35	35	10	6	4
21	5	41	.....	.....	2	4	8	8	20	64	68	28	18	18
22	9	18	2	.....	10	10	5	1	13	54	55	23	19	17
23	10	20	4	.....	3	2	4	7	16	50	50	9	25	25
24	.....	12	1	.....	5	14	4	4	28	36	38	17	13	11
25	3	28	1	3	10	3	6	.....	15	53	54	25	14	13
26	7	.....	.....	.....	40	.....	.....	1	18	48	48	24	3	4
27	2	23	3	.....	3	4	2	.....	11	34	35	15	4	4
28	11	22	.....	.....	.....	2	1	1	13	37	37	15	9	9
29	3	7	1	.....	4	1	7	1	4	24	24	20	.....	.....
30	4	.....	.....	.....	10	2	1	.....	4	17	17	13	.....	.....
31	8	19	1	.....	2	.....	5	6	13	40	40	17	9	9
32	1	14	1	.....	2	2	3	.....	3	23	23	14	3	3
33	9	34	.....	.....	5	3	12	.....	14	63	63	30	17	12
34	5	41	1	.....	2	2	6	6	14	58	63	33	15	11
35	4	43	3	.....	1	.....	.....	.....	32	50	50	15	18	19
36	8	16	1	.....	1	.....	5	1	32	32	32	16	.....	.....
37	.....	20	.....	.....	1	.....	.....	.....	21	21	21	16	.....	.....
38	.....	15	.....	.....	.....	.....	.....	.....	5	15	15	10	.....	.....
39	5	20	4	1	4	.....	.....	.....	7	36	36	23	5	4
40	8	68	1	1	5	.....	8	7	35	86	95	32	28	21
41	17	45	2	.....	5	8	8	6	66	91	91	40	27	14
42	5	20	3	.....	2	2	2	3	6	37	37	21	9	8
43	4	3	.....	.....	6	6	5	.....	7	22	23	14	10	2
44	8	20	.....	.....	6	5	.....	1	12	40	40	15	14	5
45	16	26	5	.....	7	10	7	.....	27	71	71	18	26	27
46	5	26	5	2	19	4	10	.....	24	71	71	25	19	19
47	6	25	.....	.....	2	1	7	5	31	43	46	22	14	14
48	.....	41	.....	.....	.....	.....	.....	.....	8	41	41	12	15	15
49	3	21	2	.....	3	.....	1	1	23	30	30	12	7	5
50	3	1	.....	.....	9	3	6	.....	6	22	22	16	.....	.....
51	18	21	3	1	3	5	14	1	22	66	66	23	17	17
52	1	10	.....	.....	.....	.....	.....	.....	5	11	11	6	.....	.....
53	.....	47	4	.....	18	4	3	.....	24	76	76	37	14	13
54	1	26	2	.....	.....	2	.....	1	13	31	31	12	8	8
55	4	32	2	.....	3	4	.....	.....	14	45	45	20	13	13
56	.....	20	4	.....	16	5	13	1	24	59	59	21	13	15
57	4	41	1	1	1	6	7	.....	42	61	61	35	18	18

CONTINUATION

III. TABLE J—ATTENDANCE, PUPILS IN THE SCHOOLS

Number of Pupils in the Various Subjects (Continued)

Continuation Schools	Geography	Physiography	Arithmetic and Mensuration	Algebra	Geometry	French	German	Latin	Zoology
1 Aberfoyle	7	7	7	14	7	14	......	14	7
2 Acton	26	21	22	68	42	60	......	52	22
3 Agincourt	12	8	9	20	8	27	......	26	8
4 Ailsa Craig	12	12	12	31	19	31	......	31	11
5 Alvinston	23	22	27	56	29	44	......	40	23
6 Arkona	18	4	5	22	4	22	......	22	4
7 Ayr	25	22	15	51	26	41	......	41	22
8 Bancroft	14	12	12	33	19	17	......	17	12
9 Bath	17	10	10	35	18	31	......	32	10
10 Beaverton	24	10	10	45	31	50	......	49	10
11 Beeton	12	5	5	30	15	22	......	22	5
12 Belmont	......	16	43	70	40	57	......	53	16
13 Blenheim	28	25	53	72	46	60	......	52	53
14 Blind River	......	12	33	20	41	38	......	34	12
15 Blyth	27	16	16	59	32	43	......	42	16
16 Bolton	10	9	9	19	9	16	......	16	9
17 Bothwell	16	17	17	41	25	23	......	22	17
18 Bowesville	6	5	5	11	5	10	......	10	5
19 Bridgeburg	18	22	9	64	22	46	......	37	13
20 Bruce Mines	10	17	17	35	24	13	......	12	18
21 Brussels	28	20	20	44	39	56	......	58	20
22 Burk's Falls	23	13	13	53	30	44	......	38	23
23 Cannington	9	16	25	50	41	43	......	43	16
24 Cardinal	17	8	8	30	23	33	......	36	8
25 Carp	25	15	15	54	29	45	......	38	16
26 Chapleau	24	19	19	48	24	47	......	43	14
27 Claremont	15	11	11	34	15	33	......	32	11
28 Clifford	15	13	13	37	22	28	......	28	13
29 Cobden	19	7	6	24	7	13	......	11	5
30 Cochrane	13	4	4	17	4	17	......	13	4
31 Coldwater	17	11	12	39	23	37	......	37	11
32 Comber	14	6	7	23	9	19	......	14	6
33 Cookstown	30	14	14	63	29	49	......	50	14
34 Creemore	33	12	47	51	29	53	......	48	13
35 Delaware	15	17	17	34	36	47	......	44	17
36 Delhi	16	18	18	32	18	32	......	31	18
37 Denbigh	1	5	21	21	5	8	......	10	5
38 Devizes	10	5	5	15	5	12	......	15	5
39 Dorchester	23	6	7	36	12	30	......	31	6
40 Drayton	32	28	28	60	66	80	......	67	......
41 Dresden	40	24	25	66	39	88	......	88	64
42 Drumbo	21	6	7	37	15	36	......	33	7
43 Dryden	14	7	7	23	8	18	......	19	22
44 Eganville	15	10	12	34	23	23	......	24	10
45 Eganville (R. C. S. S.)	18	26	26	71	53	57	......	57	26
46 Elmira	25	27	27	44	46	54	......	52	25
47 Elmvale	22	8	8	35	23	25	......	24	8
48 Ennismore	12	14	36	41	29	35	......	35	14
49 Erin	12	11	11	29	19	28	......	25	11
50 Espanola	16	6	6	16	6	22	......	21	6
51 Fenelon Falls	23	22	57	63	42	63	......	63	23
52 Feversham	6	5	5	6	5	6	......	11	5
53 Finch	37	24	24	74	37	70	......	70	24
54 Fingal	12	12	14	31	16	16	......	16	12
55 Frankford	20	12	12	33	25	41	......	40	12
56 Gore Bay	21	18	20	57	33	32	......	29	19
57 Grand Valley	35	10	11	61	26	40	......	40	8

SCHOOLS (Continued)

AND IN THE VARIOUS SUBJECTS, ETC. (Continued)

	Number of Pupils in the Various Subjects (Continued)											
	Botany	Chemistry	Physics	Bookkeeping	Stenography	Typewriting	Art	Physical Culture	Commercial Course	Agriculture	Manual Training	Household Science
1	14	......	......	......	......	......	14	14	......	......	......	......
2	22	23	23	......	......	......	48	......	......	......	......	......
3	20	10	10	......	......	......	20	29	......	......	......	......
4	24	......	......	......	......	......	25	31	......	......	......	......
5	46	7	6	......	......	......	25	56	......	......	......	......
6	22	......	......	......	......	......	22	22	......	......	......	......
7	47	4	4	......	......	......	37	51	......	......	......	......
8	26	8	9	......	......	......	26	......	......	......	......	......
9	27	8	7	......	......	......	27	35	......	......	......	......
10	34	20	20	......	......	......	10	55	......	......	......	......
11	12	10	10	......	......	......	17	31	......	......	......	......
12	46	24	22	......	......	......	48	70	......	......	......	......
13	25	19	19	......	......	......	25	72	......	......	......	......
14	12	8	8	......	......	......	35	41	......	......	......	......
15	43	16	16	......	......	......	43	59	......	......	......	......
16	19	......	......	......	......	......	19	19	......	......	......	......
17	33	8	8	......	......	......	17	41	......	......	......	......
18	11	......	......	......	......	......	11	11	......	......	......	......
19	12	5	5	......	......	......	......	64	......	......	......	......
20	28	4	7	......	......	......	26	35	......	......	......	......
21	48	18	17	......	......	......	47	68	......	......	......	......
22	13	17	17	......	......	......	36	55	......	......	......	......
23	25	25	25	......	......	......	23	50	......	......	......	......
24	25	12	12	......	......	......	10	40	......	......	......	......
25	39	14	14	......	......	......	40	54	......	......	......	......
26	38	4	4	......	......	......	40	48	......	......	......	......
27	26	8	7	......	......	......	26	34	......	......	......	......
28	28	9	9	......	......	......	28	37	......	......	......	......
29	23	......	7	......	......	......	23	24	......	......	......	......
30	17	......	......	......	......	......	17	17	......	......	......	......
31	28	11	11	......	......	......	30	41	......	......	......	......
32	20	3	3	......	......	......	20	23	......	......	......	......
33	44	13	11	......	......	......	44	63	......	......	......	......
34	13	16	6	......	......	......	43	63	......	......	......	......
35	32	18	18	......	......	......	17	51	......	......	......	......
36	32	......	......	......	......	......	18	32	......	......	......	......
37	21	......	......	......	......	......	21	21	......	......	......	......
38	15	......	......	......	......	......	15	15	......	......	......	......
39	29	5	3	......	......	......	30	36	......	......	......	......
40	......	13	12	......	......	......	62	98	......	83	......	......
41	24	26	26	......	......	......	27	91	......	......	......	......
42	28	8	8	......	......	......	27	37	......	......	......	......
43	8	2	2	......	......	......	22	24	......	......	......	......
44	25	13	13	......	......	......	28	40	......	......	......	......
45	43	26	25	......	......	......	43	71	......	......	......	30
46	52	19	19	......	......	......	45	71	......	......	......	......
47	30	14	13	......	......	......	8	46	......	......	......	......
48	26	15	15	......	......	......	14	41	......	......	......	......
49	23	6	7	......	......	......	23	31	......	......	......	......
50	22	......	......	......	......	......	22	22	......	......	......	......
51	23	20	16	......	......	......	46	66	......	......	......	......
52	11	......	......	......	......	......	11	11	......	......	......	......
53	61	15	14	......	......	......	64	76	......	......	......	......
54	24	2	7	......	......	......	25	32	......	......	......	......
55	32	13	13	......	......	......	32	45	......	......	......	......
56	40	14	14	......	......	......	44	57	......	......	......	......
57	43	19	16	......	......	......	8	61	......	......	......	......

CONTINUATION

III. TABLE J—ATTENDANCE, PUPILS IN THE SCHOOLS

Continuation Schools	Attendance					Number of Pupils in—			Number of Pupils from—			
	Number of Pupils on the Roll for the Year	Boys	Girls	Average Daily Attendance	Number Admitted for the First Time to a Second'y Sch.	Lower School, Form I	Lower School, Form II	Middle School	Sch. Sec. or Sect'ns forming the Cont'n School District	County Outside Con. Sch. District	Adjacent County or Counties	Other Places
58 Hanover	78	40	38	68	39	40	21	17	53	20	5	...
59 Harrow	47	24	23	38	27	29	16	2	45	2	....	...
60 Havelock	44	22	22	39	20	20	13	11	34	7	3	...
61 Hensall	39	17	22	34	33	39	.....	.....	21	18	....	...
62 Hepworth	14	10	4	12	6	6	8	.....	10	.....	4	...
63 Highgate	56	22	34	48	22	22	23	11	20	35	....	1
64 Holstein	21	8	13	18	16	16	5	.....	16	5	....	...
65 Huntsville	77	31	46	68	32	37	20	20	60	15	2	...
66 Ilderton	28	9	19	26	18	18	2	8	17	11	....	...
67 Iroquois Falls	14	6	8	11	13	14	.....	.....	14	.....	....	...
68 Islington	24	11	13	19	14	13	11	.....	19	5	....	...
69 Jarvis	33	12	21	29	15	15	18	.....	11	16	6	...
70 Jockvale	10	3	7	9	2	2	8	.....	8	2	....	...
71 Kars	31	10	21	17	17	18	6	7	13	18	....	...
72 Keewatin	29	10	19	24	12	11	7	11	29	.....	....	...
73 Kenmore	48	18	30	38	16	17	14	17	19	29	....	...
74 Kinburn	47	20	27	41	24	25	16	6	16	30	1	...
75 Lakefield	86	24	62	75	27	30	23	33	58	27	1	...
76 Lambeth	26	12	14	21	15	21	5	.....	13	13	....	...
77 Lanark	89	29	60	76	38	39	24	26	47	42	....	...
78 Lansdowne	44	11	33	32	20	20	13	11	28	16	....	...
79 Lion's Head	13	4	9	10	9	9	4	.....	11	2	....	...
80 Little Current	31	12	19	24	18	20	11	.....	18	13	....	...
81 Lobo	44	18	26	36	22	23	13	8	41	2	1	...
82 Lucknow	70	25	45	61	18	16	23	31	33	18	19	...
83 Malakoff	12	7	5	11	4	4	1	7	8	4	....	...
84 Manitowaning	29	10	19	25	15	15	14	.....	16	13	....	...
85 Manotick	39	5	34	31	18	23	8	8	17	22	....	...
86 Marmora	78	28	50	70	28	28	21	29	50	28	....	...
87 Massey	22	10	12	15	10	12	10	.....	21	1	....	...
88 Maxville	78	28	50	63	27	29	34	15	25	42	10	1
89 Melbourne	54	14	40	46	20	20	10	24	13	40	1	...
90 Merlin	64	33	31	50	23	29	20	15	20	43	1	...
91 Merrickville	64	15	49	51	21	29	20	15	27	17	20	...
92 Metcalfe	36	16	20	30	12	13	15	8	15	18	1	2
93 Millbrook	67	21	46	53	15	25	27	15	33	34	....	...
94 Milverton	56	26	30	49	25	24	19	13	34	22	....	...
95 Mimico	101	49	52	89	59	63	32	6	48	53	....	...
96 Minden	22	6	16	18	12	12	10	.....	6	15	1	...
97 Morriston	23	4	19	20	15	15	8	.....	13	6	4	...
98 Mount Albert	40	19	21	34	16	18	13	9	30	6	4	...
99 Mount Brydges	51	18	33	43	17	17	19	15	43	8	....	...
100 Navan	36	15	21	31	19	19	9	8	17	16	3	...
101 New Hamburg	51	21	30	44	17	17	20	14	23	19	9	...
102 New Liskeard	51	13	38	45	17	22	14	15	41	.....	....	10
103 North Augusta	35	10	25	23	13	14	9	12	28	.....	7	...
104 North Gower	35	17	18	29	16	17	12	6	20	14	....	1
105 Odessa	26	12	14	24	12	12	8	6	6	15	5	...
106 Oil Springs	33	15	18	29	11	11	12	10	33	.....	....	...
107 Orono	54	26	28	42	21	24	15	15	21	33	....	...
108 Paisley	80	35	45	73	31	31	30	19	31	49	....	...
109 Pakenham	55	26	29	45	17	17	18	20	28	18	7	2
110 Palmerston	60	33	27	52	24	26	18	16	40	5	15	...
111 Plattsville	38	17	21	35	13	11	15	12	21	17	....	...
112 Port Burwell	33	12	21	26	12	12	11	10	26	7	....	...
113 Port Colborne	91	49	42	74	39	45	26	20	59	31	....	1

SCHOOLS (Continued)

AND IN THE VARIOUS SUBJECTS, ETC. (Continued)

	Number of Pupils from Families whose Head is occupied as below								No. of Pupils in the Various Subjects					
	Commerce	Agriculture	Law, Medicine, Dentistry or the Church	Teaching	The Trades	Labouring Occupations	Other Occupations	Without Occupation	English Grammar	English Composition and Rhetoric	English Literature	Canadian History	British History	Ancient History
58	15	23	5	2	16	9	5	3	61	76	76	37	15	16
59	.....	24	.....	....	10	11	.....	2	16	47	47	29	2	2
60	2	7	1	....	2	4	28	.....	.....	44	44	20	12	12
61	.....	18	3	....	10	6	2	.....	13	39	39	26	.....	.....
62	2	8	.....	....	2	.....	2	.....	8	14	14	6	.....	.....
63	1	44	1	....	3	4	3	.....	45	54	56	22	11	10
64	1	11	5	....	3	1	.....	.....	21	21	21	16	.....	.....
65	14	20	4	1	14	16	7	1	57	77	77	37	20	13
66	.....	25	2	....	.....	.....	1	.....	2	28	28	18	8	7
67	.....	1	.....	....	9	1	1	2	14	14	14	14	.....	.....
68	.....	10	.....	....	12	.....	2	.....	12	24	24	15	.....	.....
69	1	26	1	1	2	2	.....	.....	31	31	31	15	.....	.....
70	.....	9	.....	....	.....	.....	1	.....	8	9	9	1	.....	.....
71	3	23	.....	....	1	3	1	.....	24	30	31	18	7	7
72	.....	2	.....	....	7	14	6	.....	18	29	29	11	10	10
73	.....	36	4	....	.....	8	.....	.....	15	48	48	17	31	17
74	6	40	1	....	.....	.....	.....	.....	17	47	47	25	6	6
75	7	31	3	....	14	13	13	5	23	80	83	30	81	27
76	1	19	.....	....	1	1	3	1	4	24	24	20	.....	.....
77	3	54	.....	....	7	3	15	7	36	89	89	33	23	24
78	9	24	2	....	5	4	.....	.....	34	44	44	21	11	11
79	4	5	.....	....	.....	3	1	.....	.....	13	13	.....	.....	.....
80	3	8	1	....	1	14	3	1	11	31	31	20	.....	.....
81	.....	43	.....	....	1	.....	.....	.....	15	44	44	22	8	8
82	18	45	2	....	1	4	.....	.....	23	70	70	16	31	31
83	.....	12	.....	....	.....	.....	.....	.....	2	12	12	4	7	7
84	3	10	3	1	.....	8	4	.....	14	28	28	14	.....	.....
85	2	26	.....	....	7	3	1	.....	31	38	38	24	5	5
86	24	28	3	....	16	6	1	.....	21	77	77	29	25	26
87	3	4	1	....	1	6	4	3	10	21	21	12	.....	.....
88	2	54	5	....	14	2	.....	1	34	78	78	29	15	13
89	3	40	1	2	4	1	3	.....	13	50	52	20	20	10
90	4	49	.....	....	4	3	4	.....	20	64	64	30	6	14
91	1	35	4	....	13	11	.....	.....	11	57	59	29	9	8
92	.....	33	.....	....	.....	1	2	.....	13	36	36	13	8	6
93	7	33	5	....	4	7	8	3	27	67	67	25	15	15
94	12	19	3	....	10	5	7	.....	.....	56	56	24	9	10
95	15	8	.....	....	30	42	6	.....	32	101	101	63	6	6
96	3	12	.....	....	2	4	1	.....	8	22	22	12	.....	.....
97	.....	18	.....	....	1	2	2	.....	8	23	23	15	.....	.....
98	11	19	1	....	3	.....	5	1	31	40	40	18	9	9
99	4	44	.....	....	1	.....	2	.....	36	51	51	17	15	15
100	4	32	.....	....	.....	.....	.....	.....	5	36	36	19	8	8
101	10	19	3	1	11	2	5	.....	19	51	51	17	14	14
102	13	12	6	....	8	4	7	1	.....	51	51	22	15	15
103	1	29	1	....	3	1	.....	.....	9	23	23	14	9	8
104	3	21	2	....	4	3	1	1	12	33	35	16	5	3
105	.....	24	.....	....	1	.....	1	.....	8	25	25	12	5	5
106	2	12	.....	....	3	10	6	.....	21	33	33	13	8	8
107	1	37	.....	....	7	4	5	.....	14	54	54	23	17	17
108	7	52	2	....	5	10	.....	4	30	80	80	31	16	17
109	6	33	2	....	6	2	2	4	36	50	54	17	19	19
110	6	21	.....	....	11	10	12	.....	18	60	60	26	14	14
111	4	24	2	....	6	.....	2	.....	14	38	38	13	12	12
112	4	11	.....	....	12	3	3	.....	12	27	27	12	9	6
113	5	19	4	1	23	16	20	3	26	91	91	45	18	20

CONTINUATION

III. TABLE J—ATTENDANCE, PUPILS IN THE SCHOOLS

Continuation Schools	Number of Pupils in the Various Subjects (Continued)								
	Geography	Physiography	Arithmetic and Mensuration	Algebra	Geometry	French	German	Latin	Zoology
58 Hanover	37	21	21	36	78	57	......	71	......
59 Harrow	29	16	16	31	18	46	......	45	16
60 Havelock	32	13	13	44	24	27	......	39	11
61 Hensall	26	13	13	39	13	32	......	35	13
62 Hepworth	6	8	8	14	8	14	......	14	8
63 Highgate	22	23	23	33	34	38	......	38	23
64 Holstein	16	5	5	21	5	19	......	21	5
65 Huntsville	37	20	20	77	40	60	......	62	20
66 Ilderton	18	2	2	28	10	23	......	23	2
67 Iroquois Falls	14	......	14	14	......	......	......	......	......
68 Islington	14	9	9	24	9	24	......	24	9
69 Jarvis	15	16	17	15	16	24	......	20	16
70 Jockvale	1	8	8	1	8	4	......	5	8
71 Kars	18	6	6	30	30	26	......	22	6
72 Keewatin	11	7	7	28	18	26	......	24	9
73 Kenmore	17	14	14	17	14	34	......	34	14
74 Kinburn	26	16	17	31	22	47	......	47	17
75 Lakefield	30	23	23	56	54	78	......	79	23
76 Lambeth	20	4	4	24	4	23	......	22	4
77 Lanark	33	24	24	65	49	76	......	67	24
78 Lansdowne	21	13	13	44	24	34	......	34	14
79 Lion's Head	1	13	13	3	13	11	......	6	2
80 Little Current	20	11	31	31	11	6	......	22	11
81 Lobo	22	15	35	44	22	41	......	41	14
82 Lucknow	16	23	23	70	54	46	......	47	23
83 Malakoff	4	1	2	12	8	9	......	9	5
84 Manitowaning	14	14	15	29	15	10	......	10	14
85 Manotick	8	8	31	28	8	33	......	27	8
86 Marmora	29	21	21	77	45	54	......	54	21
87 Massey	12	9	10	21	9	20	......	20	9
88 Maxville	29	34	34	74	48	58	......	58	34
89 Melbourne	20	10	13	21	12	39	......	35	10
90 Merlin	29	20	49	35	28	38	......	40	21
91 Merrickville	29	16	18	9	12	46	......	48	15
92 Metcalfe	13	15	15	36	21	25	......	27	15
93 Millbrook	25	27	27	67	42	60	......	58	27
94 Milverton	24	19	43	24	30	50	......	53	19
95 Mimico	63	32	32	101	38	101	......	99	32
96 Minden	12	10	10	22	10	9	......	7	8
97 Morriston	15	8	8	23	8	23	......	23	8
98 Mount Albert	18	13	13	40	22	34	......	34	31
99 Mount Brydges	17	19	19	36	32	32	......	29	19
100 Navan	19	8	8	27	17	36	......	27	5
101 New Hamburg	17	20	21	51	34	46	......	48	20
102 New Liskeard	27	14	14	29	51	36	......	51	......
103 North Augusta	14	9	9	34	21	32	......	32	9
104 North Gower	16	12	12	32	16	22	......	22	11
105 Odessa	12	8	8	20	8	19	......	19	8
106 Oil Springs	14	10	12	19	21	25	......	24	11
107 Orono	23	14	14	54	31	37	......	37	14
108 Paisley	31	30	30	80	49	74	......	74	30
109 Pakenham	......	18	18	51	36	42	......	51	35
110 Palmerston	26	18	18	40	31	48	......	21	18
111 Plattsville	13	14	14	38	25	38	......	38	13
112 Port Burwell	12	11	11	33	21	28	......	28	11
113 Port Colborne	45	25	25	90	45	85	......	78	26

SCHOOLS (Continued)

AND IN THE VARIOUS SUBJECTS, ETC. (Continued)

Number of Pupils in the Various Subjects (Continued)

	Botany	Chemistry	Physics	Bookkeeping	Stenography	Typewriting	Art	Physical Culture	Commercial Course	Agriculture	Manual Training	Household Science
58	61	13	12	......	......	......	19	78	......	......	......	......
59	45	1	1	......	......	......	45	47	......	......	......	......
60	30	4	6	......	......	......	32	44	......	......	......	......
61	39	......	......	......	......	......	39	39	......	......	......	......
62	14	......	......	......	......	......	14	14	......	......	......	......
63	45	11	11	......	......	......	23	56	......	......	......	......
64	21	......	......	......	......	......	5	21	......	......	......	......
65	57	20	20	......	......	......	20	77	......	......	......	......
66	20	7	7	......	......	......	20	28	......	......	......	......
67	14	......	......	14	......	......	......	14	......	......	......	......
68	24	......	......	......	......	......	24	24	......	......	......	......
69	31	......	......	......	......	......	18	33	......	......	......	......
70	9	......	......	......	......	......	9	9	......	......	......	......
71	24	7	6	......	......	......	6	31	......	......	......	......
72	18	10	11	11	......	8	18	29	......	......	......	......
73	31	17	17	......	......	......	31	48	......	......	......	......
74	42	6	6	......	......	......	42	47	......	......	......	......
75	53	29	27	......	......	......	53	86	......	......	......	......
76	24	......	......	......	......	......	24	24	......	......	......	......
77	63	24	24	......	......	......	24	89	......	......	......	......
78	34	11	11	......	......	......	14	43	......	......	......	......
79	12	......	......	......	......	......	13	13	......	......	......	......
80	31	......	......	......	......	......	31	31	......	......	......	......
81	35	8	8	......	......	......	14	44	......	......	......	......
82	39	31	31	......	......	......	39	70	......	......	......	......
83	5	7	7	......	......	......	2	12	......	......	......	......
84	28	......	......	......	......	......	28	29	......	......	......	......
85	31	8	8	......	......	......	8	39	......	......	......	......
86	50	25	25	......	......	......	50	77	......	......	......	......
87	20	......	......	......	......	......	22	21	......	......	......	......
88	61	14	14	......	......	......	61	78	......	......	......	......
89	30	8	23	......	......	......	32	54	......	......	......	......
90	49	15	15	......	......	......	22	64	......	......	......	......
91	44	8	7	......	......	......	19	64	......	......	......	......
92	28	7	8	......	......	......	28	36	......	......	......	......
93	52	15	15	......	......	......	52	67	......	......	......	......
94	43	10	11	......	......	......	19	55	......	......	......	......
95	95	6	6	......	......	......	95	101	......	......	......	......
96	20	......	......	......	......	......	22	22	......	......	......	......
97	23	......	......	......	......	......	23	23	......	......	......	......
98	13	9	9	......	......	......	13	......	......	......	......	......
99	......	13	13	......	......	......	36	51	......	......	......	......
100	22	8	8	......	......	......	24	36	......	......	......	......
101	20	14	14	......	......	......	37	51	......	17	......	......
102	......	15	15	......	......	......	36	51	......	36	......	......
103	23	10	9	......	......	......	23	35	......	......	......	......
104	11	5	4	......	......	......	29	35	......	......	......	......
105	12	5	5	......	......	......	20	26	......	......	......	......
106	20	9	7	......	......	......	10	33	......	......	......	......
107	37	17	17	......	......	......	38	54	......	......	......	......
108	61	11	15	......	......	......	61	80	......	......	......	......
109	35	10	12	......	......	......	18	52	......	......	......	......
110	44	13	12	......	......	......	44	60	......	......	......	......
111	27	12	12	......	......	......	27	38	......	......	......	......
112	23	10	9	......	......	......	23	33	......	......	......	......
113	70	19	17	......	......	......	70	91	......	......	......	......

CONTINUATION

III. TABLE J—ATTENDANCE, PUPILS IN THE SCHOOLS

Continuation Schools	Attendance					Number of Pupils in—			Number of Pupils from—			
	Number of Pupils on the Roll for the Year	Boys	Girls	Average Daily Attendance	Number Admitted for the First Time to a Second'y Sch.	Lower School, Form I	Lower School, Form II	Middle School	Sch. Sec. or Sect'ns forming the Cont'n School District	County Outside Con. Sch. District	Adjacent County or Counties	Other Places
114 Port Credit	67	29	38	53	30	33	17	17	44	1	2	...
115 Powassan	49	17	32	43	13	13	22	14	23	14	11	1
116 Princeton	32	15	17	26	13	14	8	10	28	.....	4	...
117 Richard's Landing	7	1	6	5	1	1	4	2	7	.....	.....	...
118 Richmond	60	19	41	52	23	24	27	9	26	33	1	...
119 Ridgeway	64	27	37	54	28	28	22	14	34	30	.....	...
120 Ripley	74	28	46	68	29	29	20	25	33	39	2	...
121 Rockwood	16	7	9	14	12	13	2	1	9	7	.....	...
122 Rodney	72	37	35	59	28	28	20	24	68	4	.....	...
123 Russell	44	16	28	39	10	11	23	10	26	15	3	...
124 St. George	66	33	33	52	27	33	15	18	55	1	10	...
125 Schomberg	31	18	13	24	16	18	13	.....	16	11	4	...
126 Scotland	35	20	15	31	19	20	10	5	14	14	7	...
127 Southampton	54	26	28	44	23	24	20	10	46	8	.....	...
128 South Mountain	47	14	33	38	18	21	17	9	12	33	2	...
129 South Porcupine	20	11	9	17	10	10	10	.....	19	1	.....	...
130 Spencerville	56	20	36	46	21	21	27	8	21	35	.....	...
131 Springfield	33	13	20	27	14	14	10	9	18	15	.....	...
132 Sprucedale	22	7	15	18	22	12	10	.....	9	.....	2	11
133 Stayner	58	27	31	50	18	20	13	25	25	33	.....	...
134 Stella	19	3	16	17	4	6	6	7	19	.....	.....	...
135 Stouffville	67	30	37	56	28	31	13	23	37	25	4	1
136 Sturgeon Falls	48	17	31	41	22	22	16	10	30	18	.....	...
137 Sunderland	41	17	24	33	11	15	16	10	26	14	.....	1
138 Sutton	67	21	46	55	29	30	27	10	40	27	.....	...
139 Tamworth	72	23	49	62	30	32	24	16	27	39	6	...
140 Tara	38	16	22	35	17	17	9	12	30	.....	.....	8
141 Tavistock	41	20	21	35	16	14	12	15	22	10	8	1
142 Teeswater	73	19	54	65	23	28	26	19	36	35	2	...
143 Thamesford	25	10	15	20	25	16	9	.....	19	2	4	...
144 Thamesville	53	32	21	40	26	30	14	9	29	22	1	1
145 Thessalon	62	23	39	52	26	28	21	13	30	32	.....	...
146 Thornbury	76	26	50	66	27	30	24	22	30	45	1	...
147 Thorndale	60	26	34	52	22	25	18	17	57	2	1	...
148 Tilbury	33	10	23	24	12	12	14	7	31	.....	2	...
149 Timmins	45	18	27	40	27	27	8	10	30	15	.....	...
150 Tottenham	80	34	46	64	30	30	27	23	22	23	35	...
151 Walkerville	109	48	61	91	99	109	.....	.....	106	3	.....	...
152 Warkworth	62	23	39	50	20	24	18	20	22	40	.....	...
153 Westboro'	135	58	77	115	69	70	47	18	81	48	4	2
154 West Lorne	55	24	31	49	21	24	21	10	48	7	.....	...
155 Westmeath	16	7	9	11	10	10	6	.....	9	7	.....	...
156 Westport	47	21	26	40	16	16	18	13	40	.....	7	...
157 Westport (R.C.S. Sch.)	57	17	40	50	24	24	16	17	28	20	8	1
158 Wheatley	56	21	35	49	29	29	18	9	31	25	.....	...
159 Winona	26	16	10	19	18	20	6	.....	23	1	2	...
160 Wroxeter	38	12	26	28	13	27	.....	11	14	1	23	...
1 Totals, 1921-22	7,505	3,080	4,425	6,309	3,226	3,423	2,316	1,766	4,461	2,555	429	60
2 Totals, 1920-21	5,823	2,304	3,519	4,790	2,482	2,619	1,905	1,299	3,336	.....	.....	...
3 Increases	1,682	776	906	1,519	744	804	411	467	1,125	.....	.....	...
4 Decreases	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	...
5 Percentages	.....	41.03	58.96	84.06	42.98	45.60	30.85	23.53	59.44	34.04	5.71	.79

SCHOOLS (Continued)

AND IN THE VARIOUS SUBJECTS, ETC. (Continued)

	Number of Pupils from Families whose Head is occupied as below—								Number of Pupils in the Various Subjects					
	Commerce	Agriculture	Law, Medicine, Dentistry or the Church	Teaching	The Trades	Labouring Occupations	Other Occupations	Without Occupation	English Grammar	English Composition and Rhetoric	English Literature	Canadian History	British History	Ancient History
114	15	21	3	....	5	7	14	2	17	67	67	33	14	16
115	1	21	......	....	11	4	12	.....	18	49	49	13	14	14
116	.....	25	1	....	6	.....	.....	.....	14	32	32	14	6	8
117	1	5	......	....	.....	.....	1	.....	4	5	5	1	2	2
118	4	46	5	....	4	1	.....	.....	28	57	60	24	9	9
119	13	31	3	....	8	9	.....	.....	22	64	64	28	14	10
120	12	54	1	....	5	.....	2	.....	20	68	70	29	18	16
121	1	7	1	1	1	5	.....	.....	2	16	16	13	1	1
122	.....	40	2	....	7	7	16	.....	28	63	67	28	21	21
123	9	21	1	....	6	3	4	.....	25	44	44	11	14	10
124	3	40	3	1	12	6	1	.....	18	66	66	33	18	14
125	7	18	1	....	1	2	1	1	13	31	31	18	.....	.....
126	5	22	2	....	4	.....	1	1	9	35	35	20	15	7
127	12	5	2	....	8	19	6	2	44	54	54	24	30	10
128	2	38	5	....	.....	.....	2	.....	17	47	47	21	8	8
129	3	1	......	....	3	.....	13	.....	10	20	20	10	.....	.....
130	7	39	2	....	3	.....	5	.....	27	55	56	21	8	8
131	1	25	......	....	2	1	4	.....	25	33	33	14	7	7
132	.....	6	......	....	2	6	8	.....	9	22	22	13	.....	.....
133	14	31	1	....	4	6	1	1	13	58	58	20	8	23
134	.....	17	......	....	.....	1	1	.....	6	15	18	.....	6	3
135	9	37	1	....	6	4	5	5	13	67	67	31	23	23
136	8	4	2	....	22	12	.....	.....	16	45	45	22	8	8
137	7	20	2	....	.....	2	5	5	15	41	41	15	8	7
138	5	23	1	....	1	13	23	1	27	67	67	30	6	2
139	7	57	2	1	5	.....	.....	.....	24	72	72	32	16	16
140	.....	19	3	....	2	3	9	2	9	38	38	17	11	11
141	10	16	1	....	9	1	4	.....	11	41	41	14	15	15
142	5	34	2	....	11	13	5	3	26	73	72	28	17	17
143	6	13	......	....	.....	2	2	2	8	24	24	16	.....	.....
144	9	25	6	....	4	5	3	1	45	53	53	30	9	8
145	12	25	......	....	6	1	17	1	21	59	60	28	12	11
146	4	36	6	2	15	13	.....	.....	9	76	76	30	46	22
147	4	46	......	....	2	.....	8	.....	19	60	60	25	14	14
148	5	19	1	....	.....	.....	7	1	9	33	33	12	7	7
149	6	.....	......	....	5	8	26	.....	8	45	45	35	10	10
150	14	53	6	....	3	3	.....	1	27	80	80	30	17	17
151	24	1	6	....	51	25	1	1	109	109	109	109	.....	.....
152	7	42	2	....	4	5	2	.....	16	58	59	24	17	16
153	38	34	3	1	9	3	47	.....	48	133	135	70	17	16
154	5	28	......	....	14	2	6	.....	45	55	55	24	10	.....
155	1	9	......	....	.....	4	2	.....	6	16	16	10	.....	.....
156	9	19	3	1	3	5	7	.....	16	47	47	16	13	13
157	9	35	......	....	6	2	5	.....	2	57	57	24	16	15
158	3	30	1	....	4	10	8	.....	47	47	56	29	9	9
159	5	15	......	....	.....	5	.....	1	2	26	26	20	.....	.....
160	4	24	3	....	2	1	4	.....	27	35	38	16	9	9
1	886	3,841	248	27	902	725	733	143	3,034	7,358	7,427	3,388	1,727	1,515
2	686	2,951	244	30	657	553	600	102	4,504	5,767	5,778	5,491	3,666	1,262
3	200	890	4	....	245	172	133	41	......	1,591	1,649	.....	.....	253
4	.....	......	......	3	.....	.....	.....	.....	1,470	......	......	2,103	1,939	.....
5	11.80	51.17	3.30	.35	12.01	9.66	9.76	1.90	40.42	98.04	98.96	45.14	23.01	20.18

CONTINUATION

III. TABLE J—ATTENDANCE, PUPILS IN THE SCHOOLS

Continuation Schools	Number of Pupils in the Various Subjects (Concluded)								
	Geography	Physiography	Arithmetic and Mensuration	Algebra	Geometry	French	German	Latin	Zoology
114 Port Credit	33	17	17	50	34	65	......	66	17
115 Powassan	13	21	24	27	36	34	......	32	20
116 Princeton	14	8	10	32	18	28	......	26	23
117 Richard's Landing	1	3	3	4	2	1	......	......	3
118 Richmond	24	24	29	58	36	51	......	50	24
119 Ridgeway	28	22	25	64	36	59	......	57	......
120 Ripley	29	20	22	70	43	65	......	63	21
121 Rockwood	13	2	2	16	2	12	......	12	2
122 Rodney	28	20	28	66	37	71	......	71	20
123 Russell	11	20	22	43	32	38	......	35	20
124 St. George	33	15	49	51	30	50	......	43	15
125 Schomberg	18	13	13	31	13	29	......	26	13
126 Scotland	20	8	8	35	15	35	......	33	8
127 Southampton	24	20	44	54	30	51	......	41	20
128 South Mountain	21	17	17	29	25	46	......	46	17
129 South Porcupine	10	10	10	20	10	20	......	18	10
130 Spencerville	21	27	27	55	35	55	......	50	27
131 Springfield	14	10	10	31	15	8	......	22	10
132 Sprucedale	13	7	22	22	9	10	......	10	7
133 Stayner	20	13	14	58	58	48	......	49	13
134 Stella	6	12	12	15	16	15	......	16	6
135 Stouffville	31	13	13	67	36	60	......	59	13
136 Sturgeon Falls	22	16	16	46	16	44	......	44	15
137 Sunderland	15	15	15	40	22	40	......	41	15
138 Sutton	30	27	25	66	31	64	......	60	26
139 Tamworth	32	24	24	72	40	53	......	49	24
140 Tara	17	9	11	36	......	33	......	32	......
141 Tavistock	14	12	12	41	27	35	1	36	13
142 Teeswater	28	26	26	72	44	62	......	62	26
143 Thamesford	16	8	9	24	9	14	......	12	8
144 Thamesville	30	14	45	52	23	45	......	53	14
145 Thessalon	28	21	21	49	32	46	......	35	21
146 Thornbury	30	24	24	52	24	67	......	50	24
147 Thorndale	25	17	20	55	25	51	......	48	16
148 Tilbury	12	14	14	33	21	31	......	31	21
149 Timmins	35	8	17	37	18	45	......	45	17
150 Tottenham	30	27	27	47	44	65	......	65	27
151 Walkerville	32	......	32	77	......	70	......	66	......
152 Warkworth	24	17	18	60	37	35	......	36	18
153 Westboro'	70	48	48	88	66	108	......	92	118
154 West Lorne	24	21	21	34	30	41	......	40	21
155 Westmeath	10	6	6	10	6	16	......	14	6
156 Westport	16	16	18	21	13	37	......	42	16
157 Westport (R. C. S. S.)	24	16	16	38	33	52	......	50	16
158 Wheatley	29	14	18	56	23	50	......	3	47
159 Winona	20	6	6	20	6	25	......	24	6
160 Wroxeter	15	12	13	36	22	16	......	16	12
1 Totals, 1921-22	3,218	2,312	2,830	6,415	3,925	6,066	1	5,852	2,449
2 Totals, 1920-21	4,460	......	4,520	5,729	3,404	5,086	10	5,031	4,355
3 Increases	......	......	......	686	521	980	......	821	......
4 Decreases	1,242	......	1,690	......	......	......	9	......	1,906
5 Percentages	42.87	30.80	37.70	85.47	52.29	80.82	......	77.97	32.63

SCHOOLS (Continued)

AND IN THE VARIOUS SUBJECTS, ETC. (Concluded)

	Number of Pupils in the Various Subjects (Concluded)											
	Botany	Chemistry	Physics	Bookkeeping	Stenography	Typewriting	Art	Physical Culture	Commercial Course	Agriculture	Manual Training	Household Science
114	50	17	17	......	......	......	49	67	......	......	......	......
115	20	14	14	......	......	......	37	49	......	......	......	......
116	9	9	3	......	......	......	24	32	......	......	......	......
117	4	......	2	......	......	......	3	......	......	......	......	......
118	48	8	8	......	......	......	52	60	......	......	......	......
119	......	14	14	......	......	......	54	64	......	50	......	......
120	51	20	19	......	......	......	50	74	......	......	......	......
121	11	......	......	......	......	......	13	......	......	......	......	......
122	48	15	15	......	......	......	46	70	......	......	......	......
123	31	9	8	......	......	......	34	44	......	......	......	......
124	48	17	17	......	......	......	16	65	......	......	......	......
125	31	......	......	......	......	......	31	31	......	......	......	......
126	28	7	5	......	......	......	29	35	......	......	......	......
127	20	10	10	......	......	......	20	54	......	......	......	......
128	38	7	8	......	......	......	38	47	......	......	......	......
129	20	......	......	......	......	......	20	20	......	......	......	......
130	48	8	7	......	......	......	48	56	......	......	......	......
131	24	7	5	......	......	......	10	33	......	......	......	......
132	20	......	......	......	......	......	22	22	......	......	......	......
133	20	9	9	......	......	......	......	58	......	......	......	......
134	12	4	4	......	......	......	12	19	......	......	......	......
135	44	17	17	......	......	......	44	67	......	......	......	......
136	37	7	8	......	......	......	37	46	......	......	......	......
137	30	6	7	......	......	......	30	41	......	......	......	......
138	26	4	7	......	......	......	54	67	......	......	......	......
139	56	16	16	......	......	......	56	72	......	......	......	......
140	26	11	10	......	......	......	26	38	......	......	......	......
141	27	15	15	......	......	......	25	41	......	......	......	......
142	54	17	18	......	......	......	54	73	......	......	......	......
143	24	......	......	15	......	......	24	25	......	......	......	......
144	44	9	9	......	......	......	44	53	......	......	......	......
145	49	11	11	......	......	......	49	62	......	......	......	......
146	54	22	22	......	......	......	54	76	......	......	......	......
147	38	6	13	......	......	......	45	60	......	......	......	......
148	26	7	7	......	......	......	19	33	......	......	......	......
149	35	10	10	......	......	......	35	45	......	......	......	......
150	57	6	17	......	......	......	57	80	......	......	......	......
151	68	......	......	32	32	......	61	109	32	......	43	61
152	42	19	19	......	......	......	42	62	......	......	......	......
153	48	11	15	......	......	......	118	135	......	......	......	......
154	45	......	10	......	......	......	21	55	......	......	......	......
155	16	......	......	......	......	......	16	16	......	......	......	......
156	32	10	9	......	......	......	34	47	......	......	......	......
157	40	3	15	......	......	......	41	57	......	......	......	......
158	14	9	9	......	......	......	16	56	......	......	......	......
159	20	......	......	......	......	......	26	26	......	......	......	......
160	27	10	10	......	......	......	13	38	......	......	......	......
1	4,927	1,475	1,512	72	32	8	4,792	7,315	32	186	43	91
2	4,487	3,057	5,421	70	12	18	4,477	5,807	......	137	......	......
3	440	......	......	2	20	......	315	1,508	32	49	43	91
4	......	1,582	3,909	......	......	10	......	......	......	......	......	......
5	65.64	19.65	20.14	.95	.42	.10	63.85	97.46	.42	2.47	.57	1.21

CONTINUATION

IV. TABLE K—ATTENDANCE OF

	Lower School, Form I																								Lower						
	Boys												Girls												Boys						
Continuation Schools	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	11 years	12 years	13 years	14 years	15 years	16 years	17 years
1 Aberfoyle				2	2		2												1									1		1	
2 Acton				1	2	7	1									3	3	6	1	2							2	1	1	2	3
3 Agincourt					3	2	1	1								1	2	1	1								1			2	1
4 Ailsa Craig				1	3	2										2	2	1	1										1	1	2
5 Alvinston			1	3	4	3										5	2	3	1			1					1	2	3	2	
6 Arkona				3	4	4	3									2	2												1		
7 Ayr					5	4	3			1						1	5	2	1	3								2	3	3	2
8 Bancroft				2	2	2	1								1		3	1	2										2	1	2
9 Bath			2		1	1	3	1								1	2	3	3										3	1	
10 Beaverton				1	1	4			1								5	6	5	1										3	
11 Beeton				1	2	3			1							1	2	2											1		1
12 Belmont				3	4	4	1	2									7	6	2	1										2	3
13 Blenheim					1	8	4	3								1	4	4	2		1								1	4	2
14 Blind River					1	2	1									1	7	5	2	1	1									2	3
15 Blyth				1	4	6	1	1								4	3	5	2									2	3		
16 Bolton						1										1	3	4	1									1	4	1	
17 Bothwell					2		1		1							2	4	3	3									1	2	2	
18 Bowesville				1												1		1	2	1											1
19 Bridgeburg				2	8	6	2	2									6	6	3	1								3	5	1	1
20 Bruce Mines				2		2		2									1	1	3											1	2
21 Brussels					7	2	1	1								1	9	1	5	1								1	2	3	2
22 Burk's Falls				2	6	2	2	1									2	6	1	1											1
23 Cannington					1		3	2									1	2											1	1	1
24 Cardinal				1	2	6										1	2	4		1							1				
25 Carp			1	3	5	1	1	1								1	3	7	1	1								2			
26 Chapleau				2	7										1	2	2	4	5	1								1	3	4	3
27 Claremont					1	2	2								1	2		2	3	2											2
28 Clifford			1	1	2	1		1						1	1	1	1	2	3									1	2	3	2
29 Cobden			1	1	1	2	3						1			3		2	2	1						1				1	1
30 Cochrane				1	2	1	1									3	2	1	2												
31 Coldwater			1	2	1	1	3	1									1	3	3	1									2	2	2
32 Comber				1	3		1									1	5	3										1	1		1
33 Cookstown				1	5	2	3	1								2	4	9	3											2	2
34 Creemore					3	5	4	2		1						1	5	10	2										3	3	
35 Delaware			1	3	2	1										3	3	1	1									2	1	1	
36 Delhi					1	2	1									1	2	3	2	2							1		2	2	3
37 Denbigh								2	1			1						4	3	1	2		1	1					2		
38 Devizes				1	2	2	3								1			1												2	
39 Dorchester						2	2		1					1		4	6	4	2	2									1		
40 Drayton			1	3	7	3	1	3							1	1	2	10										1	3	5	2
41 Dresden				4	8	7	1	1								8	6	3	2								1	1	8	4	1
42 Drumbo			1	2	2	3	5								1	3	1		2	1								1	1	1	2
43 Dryden				1	1	3	1										1	3	2			1	1							3	
44 Eganville				1	1	5	1			1								3	3									1		2	
45 Eganville (R.C.)					5		5	1								1	3	2	1									3		2	
46 Elmira					5	1	3	1								4	5	6									3	4	4	2	
47 Elmvale						2	3		1						1		2	3	8	1			1						2	1	
48 Ennismore				2	2	2		2									3	1		1							1			2	1
49 Erin						1	1									1	4	4	1												
50 Espanola					1	4	2										4	1	3	1											1
51 Fenelon Falls					7	3	2										2	4	4	1								2	3	7	
52 Feversham					2	1												2	1										1	2	
53 Finch			1	3	3	5	3								1	9	4	3	5									2	3	4	1
54 Fingal					6	2	1										2	1										1	1	1	
55 Frankford				1	6	3		1								2	1	1	4	1									1	1	2
56 Gore Bay					4	1	1	3	2						1		1		6	2										1	
57 Grand Valley				3	4	5	3								1	1	6	5	7									2	1		
58 Hanover			1	3	4	4	5	1							2		5	7	5	2	1						1	2	1	5	2
59 Harrow				1	2	11	4										8	3										1	3	1	
60 Havelock				2	1	1	2	3							1	1	3	2	2	2								3	3		2

SCHOOLS (Continued)

PUPILS BY AGE, SEX AND GRADE

	School, Form II															Middle School																		Total Number Enrolled
					Girls											Boys									Girls									
	18 years	19 years	20 years	21 and over	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	
1									2	2		1																						14
2								4	1	3	2							1	2	3	2	1					3	6	1	4				68
3							1		1	2	1							1		3		1						1	2	1				30
4				1			1		3		3								2									3	1	1				31
5								2	3	6	1	2					1	1	1		1						1	2	4					56
6			1							2		1																						23
7	1	1							4	3	2	1										1						1	2					51
8								1	2	3	1								1		1	2		1				2	1	2		1		37
9								1		2	2		1						1	1	1	1		1			1	1	1					35
10										4	2		1							5	3						1	2	5	1	3		1	55
11								2	1	1	2								2	2							2		1	1	1	1	1	31
12										7	4							4	2	1	1						3	6	5	2				70
13								6	5	3	3	1						1		3	2		1				2	2	4	1	2	1		72
14										4	2			1						1	1	2							2	2				41
15								1	6	2	2							1	1	1	1							2	6	1	2	1		59
16								1	1	1																								19
17	2							1	3	1	3	1	1						2		3	1					1						1	41
18									3		1																							11
19	1						1	1	7	2										1	1							3	1					64
20								2	3	3	2	3								1	1								2	3			1	35
21	1								3	3	4			1				1	1	3	2	1						5	6	1				68
22							1		4	3	2			2					1	2	1	2							7	4		1	1	55
23								2	3	4	2	1			1				1	1	2	2					1	6	3	8	1			50
24							1	1	1	3	1							1				2	1	2			1	3	1	2	2			40
25						1		4	5	3									2			2						1	5	1	2	1		54
26		3							2	2		1							1		2							1		1				48
27									4	3	1	1							3									2	2	3	1			37
28								2	3									1		1	1						1	3	1	1				37
29									1	3																								24
30										4																								17
31								2	1	1	1						1			3		1		1				1	2	2	2			41
32										3																			1	2				23
33	1	1								1	4	2	1							1	3	2	1						5	5	2			63
34	1							2		2	1								2	2	1	1						4	2	4	2			63
35		1							8	1	2			1				2	2	5		1					2	4	3					51
36								3	4	3																								32
37									1			2																						21
38										1	1		1																					15
39	1								1	2	1	1						1	1		1								1	1				36
40	1			1				3	3	7	1	1						2	1		8		3			1	3	3	4	9	4			98
41								3	2	2	1	1						3	2	1	2		3				2	5	4	4	1			91
42								1					1					1	1					1			1	2	2		1			37
43									1	1		3						1										1						24
44								1	3	3	1							1	1	2			1				4		2	2	1			40
45	1	1						1	5	6	4	3						4	5	5	3	1					1	2	2	2	1	1		71
46	1						2	4	1	5	1							3	2	2	2						2	5	3					71
47	1									2	2								1	2	4	1					1	3	2		2			46
48								2	1	2	3		1						1	1	2	4		1		1		1	3	1				41
49								3	2	4	1		1						1	3	1								1	2				31
50									2	3																								22
51									4	4	2						1		3	1	2		1				2	4	2	4	1			66
52										1	1																							11
53							1	4	2	6	1							4	1	1			1					2	4	2				76
54								3	1	3	3								3	1								1		1	1			32
55	2							1	1	2		2							1		1	1		2			1	1	3	1	2			45
56	1	2		1				1	3	3	4	3		1					1	4			1	2				4	2	3	1			59
57								1	2	4								1	1	2	2						1	2	4	3				61
58	1	1				1	2	1	1	2		1							1	3	3	2				1		1	4	1	1			78
59									3	2	3	3										1								1				47
60							2	1	1	1								1	2	1	1					1		1	1	2	1			44

CONTINUATION

IV. TABLE K—ATTENDANCE OF PUPILS

Continuation Schools	Lower School, Form I																								Lower						
	Boys												Girls												Boys						
	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	11 years	12 years	13 years	14 years	15 years	16 years	17 years
61 Hensall				4	3	5	4	1								4	2	7	6	2	1										
62 Hepworth					1	3												1	1							1			3	1	
63 Highgate				2	2		3									4	5	6									1	2	3	2	2
64 Holstein				1	1		1	1	1						1	2	3	3	1	1									2	1	
65 Huntsville			1	2	4	2	1	1							1	3	6	5	6	5							1	1	1	1	2
66 Ilderton			1		2	2	1	1									1	5	3	1	1									1	
67 Iroquois Falls					2	1		2	1						1	2	1	1	2	1											
68 Islington				3	1	1	1									1		5	1									1	1	1	2
69 Jarvis				1	6										1	1	1	5												3	2
70 Jockvale						1	1																								
71 Kars					2		3									3	2	4	1	2	1										
72 Keewatin				1	1	2										1	1	2	2	1								1		2	1
73 Kenmore			1		2	1									1	2	4	4	2									2		2	
74 Kinburn		1	1	6	4	2									2	3	2	2	2										2	1	1
75 Lakefield				1	1	3	3	1	3						2	1	4	5	3	2	1								1	1	1
76 Lambeth				2	3	1	3	1									1	4	2	4									1	1	
77 Lanark				1	2	4	4								1	1	7	10	6	3									6	1	2
78 Lansdowne					1	1	2		1							4	6	3	2										2	2	1
79 Lion's Head							1	1	1							1	1		2			2							1		
80 Little Current					2	2	4	1								1	1	2	5		1	1					1				1
81 Lobo				2	1	2	1	1								2	4	4	5	1									1		4
82 Lucknow					1	2	1									1	3	5	2	1								1	5	2	2
83 Malakoff					1	3																									
84 Manitowaning					5		1	1								1	2	3			2							1		2	
85 Manotick					2			1								2	5	5	5	3											
86 Marmora				1	3	3	2	1								2	4	9	2	1									1	1	2
87 Massey						1	4	1										3	2	1									1	1	2
88 Maxville				3	5	2	3		1							4	5	3	3									2	3	2	2
89 Melbourne				2	3	3	1								1	3	2	2	3												
90 Merlin				5	6	4	2	1							2		4	2	2		1					2			3	2	1
91 Merrickville			1	2	1	3	3	1									9	2	6	1											1
92 Metcalfe					1	1	2	3									2		2	1		1							3	1	
93 Millbrook			1	2	1	1	4		1		1						7	3	2	2									2	1	2
94 Milverton				1	2	2	2	1							1	5	8	2											5	4	2
95 Mimico		2	10	13	5	1								1	13	12	1	5								3	5	4	1		
96 Minden				1		1	1	1									3	1	1		1	1	1								2
97 Morriston					1		1	1								1	2	3	5			1							1		
98 Mt. Albert				2	4	2		1				1					5	2		1							1	2		2	
99 Mt. Brydges				3	1	1	1									1	4	4	2									1	2	3	1
100 Navan					4	2	3									2	3	5									1	2			1
101 New Hamburg				1	1	2		2									5	3	2	1							1	1	3	1	
102 New Liskeard			1		3	2	1	1									2	5	3	4									1	2	
103 N. Augusta			2	1	1											2	4	3		1							1		2		
104 North Gower				3	1	4	2			1						1	1	3	1											2	2
105 Odessa			1		2	1	1										3	3		1										2	1
106 Oil Springs				2	3	2	2									2														1	1
107 Orono				1	5	4	3									3	5	3										1	2	3	1
108 Paisley				7	5	4	1								1	2	6	5										5	4	3	1
109 Pakenham				1	2	2	4									3	4		1									1	2	1	4
110 Palmerston				5	4	5	3	1							2		5		1									3	4		
111 Plattsville						4	1											4	2											4	2
112 Pt. Burwell				1	2	1	1									1	2	2		1		1						1		2	
113 Pt. Colborne				1	3	8	8	4								2	5	6	3	4	1								3	4	6
114 Port Credit				4	1	4	2	1								5	7	2	5	1	1								1	2	3
115 Powassan				1	1	1	1	1								2	1	3	1	1								1	3	2	1
116 Princeton				1		1	1	2									1	3	5								1			3	2
117 Richard's Landing																			1												
118 Richmond				3	4	1	1								2	1	2	5	2	3							1		1	2	3
119 Ridgeway				5	4	5		1								1	6	5	1									1	2	2	2

SCHOOLS (Continued)

BY AGE, SEX AND GRADE (Continued)

	School, Form II															Middle School																		
					Girls											Boys									Girls									
	18 years	19 years	20 years	21 and over	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	Total Number Enrolled
61																																		39
62	1							1		1																								14
63							3	2	3	4	1								2	1	1	1					2	1	3					56
64									1	1																								21
65								1	6	5	1	1						1	5	5	1			2				2	2	2				77
66										1									1								1		1	2	2	1		28
67																																		14
68								1	2	1	1	1																						24
69									6	3	1	1	2																					33
70	1									6	1																							10
71									2	3		1								1	2	1		1					1	1				31
72										1	2								1		1							3	4	1	1			29
73	1							2	2	1	2	1	1					1	2		2	2		2			1		2	2	1	2		48
74						1	2	2	3	2	1			1				1		1							1	2		1				47
75	1						1	1	4	10	2	1							1	3	3	1					1	5	7	9	2	1		86
76								1		1	1																							26
77								3	7	5									4	2	2	1					1	5	3	3	4	1		89
78								1	1	3	3								1								2	1	3		3	1		44
79										1	2																							13
80	1							1	1	3	1	2																						31
81	2	1						1	2	1			1							1	1	1						2		2	1			44
82									6	4	1	2						2	2	6		1						10	7	3				70
83									1												1	1	1					1	2		1			12
84									3	1	3	1	3																					29
85									3	3	2								1	1							1	2	2		1			39
86	3							2	7	2	3								3	4	1	1	1	1			1	4	5	3	4		1	78
87								1	1	2	1	1																						22
88		1					1		6	6	7	3	1							1	3								3	5		2	1	78
89								8	1		1						1	1	2	1					1	1	3	7	4	1	2			54
90							1	3	4	1	3								1	2	2	2					1	3	1	3				64
91								4	7	2	2	2	2							3							1	2	2	3	2	2		64
92		1						1	3	4	2								1	1		1		1	1			1		1	1			36
93								1	8	5	6	1	1						3		1	1					2	1	2	2	2		1	67
94								2		5	1							1	2	2	1			1			1	2	2	1				56
95						1	4	9	3	2								2		2	1								1					101
96										1	5	1	1																					22
97								2	2	1	1		1																					23
98									6	1	1									2	1	1						3	1		1			40
99							1	3	2	2	2	1			1			1	1	2	1						2		4	4				51
100							1	1	3										1		1						4	1	1					36
101	2							2	6	3		1					1	1	3	1		1				1		1	4		1			51
102							1	1	4	4	1									1	1							4	4	1	4			51
103									3	2	1									2		1					1	1	2		3	2		35
104									1	4	3										1			1			1		1	1	1			35
105								1		3		1								2	2									1		1		26
106							1	1	2	1	3	2									3		1					2		2	1	1		33
107								2	3	2	1							1	2	2			1			1	4	3		1				54
108								8	5	2	1	1							4	1							3	5	4	1	1			80
109	1						1	1	3	3	1						1		1	3	2	1					2	2	2	4	1		1	55
110							1	2	5	2	1								5	2	1							5		2	1			60
111										6	3									1	5							1		5				38
112								2	2	3	1						1	1			2						1	2	2		1			33
113							1		2	5	5							3	3	3	1	2					1	4	2	1				91
114		1							2	6	2							1	3	2	2	1	1					1	2	4				67
115		1						3	4	5	1	1					1	1		2						1	2	3	1	1		2		49
116								1		1										1	3							2	3	1				32
117										1	2		1							1									1					7
118	1						1	1	4	8	5													2			1	2	4					60
119								2	5	6	2							2	1	1	1						1	3	1	3		1		64

CONTINUATION

IV. TABLE K—ATTENDANCE OF PUPILS

Continuation Schools	Lower School, Form I																								Lower						
	Boys												Girls												Boys						
	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	11 years	12 years	13 years	14 years	15 years	16 years	17 years
120 Ripley	.	.	..	1	7	2	2	1	2	.	.	.	.	.	..	1	4	6	3	..	..	.	.	.	.	.	..	..	2	2	..
121 Rockwood	.	.	..	1	3	1	..	..	.	.	1	.	.	.	..	..	2	1	2	..	2	.	.	.	.	.	..	..	..	..	..
122 Rodney	.	.	4	2	2	1	5	1	.	.	.	.	.	.	2	5	3	2	1	..	..	.	.	.	.	.	..	1	5	3	1
123 Russell	.	.	1	1	1	..	..	..	.	.	.	.	.	.	3	1	3	..	1	..	..	.	.	.	.	.	3	3	4	1	..
124 St. George	.	.	..	1	6	3	4	1	1	.	.	.	.	.	..	..	6	7	1	2	1	.	.	.	.	.	2	1	..	2	1
125 Schomberg	.	.	1	..	1	2	5	2	.	.	.	.	.	.	..	1	2	3	1	..	..	.	.	.	.	.	..	..	1	2	4
126 Scotland	.	.	..	1	5	5	..	..	.	.	.	.	.	.	..	3	3	3	..	..	..	.	.	.	.	.	2	..	1	1	1
127 Southampton	.	.	..	..	2	3	5	..	1	.	.	.	.	.	..	..	2	3	6	2	..	.	.	.	.	.	..	..	..	4	4
128 S. Mountain	.	.	..	1	6	1	1	..	.	.	.	.	.	1	3	1	1	4	2	..	..	.	.	.	.	.	..	2	2	..	..
129 S. Porcupine	.	.	1	..	1	1	2	..	.	.	.	.	.	.	1	1	2	1	..	..	..	.	.	.	.	.	..	1	4	1	..
130 Spencerville	.	1	..	1	3	1	..	..	.	.	.	.	.	.	4	6	2	1	1	1	..	.	.	.	.	.	..	2	3	1	3
131 Springfield	.	.	1	..	2	1	4	1	.	.	.	.	.	.	..	..	2	1	1	1	..	.	.	.	.	.	..	..	1	..	..
132 Sprucedale	.	.	..	..	2	..	1	..	.	.	.	.	.	.	1	2	1	1	2	..	..	.	1	1	.	.	..	..	..	2	1
133 Stayner	.	.	1	..	1	3	1	2	.	.	.	.	.	.	..	..	3	7	1	1	..	.	.	.	.	.	..	..	..	4	1
134 Stella	.	.	..	..	1	..	..	..	.	.	.	.	.	.	..	..	1	1	2	1	..	.	.	.	.	.	..	..	1	..	..
135 Stouffville	.	.	..	..	3	4	3	2	1	.	.	1	.	.	..	..	3	6	3	2	3	.	.	.	.	.	..	..	2	1	1
136 Sturgeon Falls	.	.	..	1	2	4	3	1	.	.	.	.	.	.	..	1	3	3	3	1	..	.	.	.	.	.	..	1	..	2	..
137 Sunderland	.	.	..	..	..	1	1	2	.	.	.	.	.	.	..	..	4	3	2	..	2	.	.	.	.	.	..	1	2	1	5
138 Sutton	.	.	..	3	5	1	2	..	.	.	.	.	.	1	2	1	7	3	3	1	1	.	.	.	.	.	..	..	4	1	3
139 Tamworth	.	.	..	1	1	3	1	..	2	.	.	.	.	.	..	4	8	7	3	1	1	.	.	.	.	.	1	..	4	2	1
140 Tara	.	.	..	1	4	2	1	..	.	.	.	.	.	.	..	..	4	3	2	..	..	.	.	.	.	.	..	..	..	1	..
141 Tavistock	.	.	..	4	3	1	..	..	.	.	.	.	.	.	..	1	4	1	..	..	..	.	.	.	.	.	..	2	..	2	1
142 Teeswater	.	.	1	..	..	3	4	..	1	.	.	.	.	.	..	3	6	4	5	1	..	.	.	.	.	.	..	2	3	2	2
143 Thamesford	.	.	..	1	2	3	1	..	.	.	.	.	.	.	1	..	3	5	..	..	..	.	.	.	.	.	..	..	..	2	1
144 Thamesville	.	.	2	1	8	7	3	..	1	.	.	.	.	.	..	3	1	2	2	..	..	.	.	.	.	.	..	..	2	2	3
145 Thessalon	.	.	..	..	2	5	1	2	.	.	.	.	.	.	..	..	2	9	4	1	2	.	.	.	.	.	..	..	1	2	3
146 Thornbury	.	.	..	..	1	4	5	..	.	.	.	.	.	.	2	2	5	7	2	2	..	.	.	.	.	.	3	1	3	3	1
147 Thorndale	.	1	..	1	3	5	2	..	.	.	.	.	.	.	..	1	4	5	2	1	..	.	.	.	.	.	..	3	2	..	3
148 Tilbury	.	.	..	..	2	..	..	..	.	.	.	.	.	.	..	2	5	2	1	..	..	.	.	.	.	.	..	1	2	3	..
149 Timmins	.	.	..	2	..	6	3	..	.	.	.	.	.	.	1	2	4	4	4	1	..	.	.	.	.	.	..	..	1	..	..
150 Tottenham	.	.	1	4	4	5	..	..	.	.	.	.	.	.	1	3	7	5	..	..	..	.	.	.	.	.	..	3	3	2	..
151 Walkerville	.	.	..	1	7	14	14	9	2	1	.	.	.	.	..	8	16	13	17	6	1	.	.	.	.	.	..	..	..	..	..
152 Warkworth	.	.	..	..	2	3	1	5	2	.	.	.	.	.	..	..	4	2	4	1	..	.	.	.	.	.	1	1	..	2	..
153 Westboro'	.	.	..	1	8	6	11	1	.	.	.	.	.	.	..	4	12	16	11	..	..	.	.	.	.	.	2	1	3	5	6
154 West Lorne	.	.	..	..	1	8	2	1	.	.	.	.	.	.	..	..	6	5	1	..	..	.	.	.	.	.	..	1	2	4	1
155 Westmeath	.	.	1	..	..	1	2	..	1	.	.	.	.	.	1	..	..	2	2	..	..	.	.	.	.	.	..	..	..	1	..
156 Westport	.	.	..	1	3	2	2	..	.	.	.	.	.	.	1	3	..	3	..	1	..	.	.	.	.	.	..	..	2	1	3
157 Westport (RC)	.	.	..	..	3	3	3	..	1	.	.	.	.	.	..	4	3	4	2	1	..	.	.	.	.	1	1	..	..	2	..
158 Wheatley	.	.	..	4	2	2	2	1	.	.	.	.	.	.	..	1	6	5	5	1	..	.	.	.	.	.	..	..	2	2	2
159 Winona	.	.	1	1	6	..	3	..	.	.	.	.	.	.	1	1	4	1	2	..	..	.	.	.	.	.	..	..	..	4	1
160 Wroxeter	.	.	..	..	2	3	2	1	.	.	.	.	.	.	1	2	3	5	5	3	..	.	.	.	.	.	..	..	..	..	..

SUMMARY OF ATTENDANCE

		10 yrs.	11 yrs.	12 yrs.	13 yrs.
LOWER SCHOOL Form I	Boys...	....	5	47	202
	Girls...	1	5	71	245
LOWER SCHOOL Form II	Boys...	....	....	8	41
	Girls...	....	....	6	44
MIDDLE SCHOOL	Boys...	....	....	....	1
	Girls...	....	....	....	2
TOTALS BY SEXES	Boys...	....	5	55	244
	Girls...	1	5	77	291
GRAND TOTALS		1	10	132	535

SCHOOLS (Concluded)

BY AGE, SEX AND GRADE (Concluded)

	School, Form II															Middle School																		Total Number Enrolled
					Girls											Boys									Girls									
	18 years	19 years	20 years	21 and over	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	
120								1	6	5	3		1					2	1	1	2	1	2				2	2	4	5	2	1		74
121								1		1													1											16
122								2	3	4		1						1	5	1	2	2	1				1	1	2	7	1			72
123							1	3	2	3	2	1						1						1				4	4					44
124								1	1	4	2	1						2	5	2	2						1	1	3	2				66
125								1	2	1	1	1																						31
126	1								1	2		1					1			2							2							35
127	1							2		6	2	1						1	2	2	1									4				54
128						1	1	2	4	5										1							1	3	3		1			47
129										3	1																							20
130	1					1	3	1	6	3	1	1	1					2	1		1					1			1	2				56
131								1	4	2	1	1								2			1					2		4				33
132	1							1	1		2	2																						22
133									2	6									6	7	1							5	3	2		1		58
134									2	2		1						1										3		2	1			19
135	1								3	3	1	1							1	2	5	3					1	1	4	4	1		1	67
136								2	2	2	5	2							2					1			1	1	2	2	1			48
137							1	2	1	1		2								1	2			1				1	3	1	1			41
138								2	4	6	6	1							1	1								1	2	3	2			67
139								1	6	4	3	2						1	1	2	2	1					1	2	3	2	1			72
140	1			1				1	1	3	1						1		1	2	1							1	4	2				38
141									4	2	1								3	1	2		1				1	3	3	1				41
142								1	4	3	8	1										1					1	6	5	6				73
143							1	1	2	1				1																				25
144							1	1	1	2	2							1	1	1								2	2	2				53
145	1								5	4	2	1		2		1				4	1								4	1	1		1	62
146	1							2	4	4	1			1				1		1	1	1					1	6	6	2	1	1	1	76
147							1	3	5	1								1	1		2	1	1				1	3	1	4	1	1		60
148									1	4	2	1							2									2	2		1			33
149							1	1	3	2								3	2	1						1			2	1				45
150							1	5	3	8		2						5	1	5		1				1	4	2	1	2	1			80
151																																		109
152	1							2	4	5	2									1	3	1						7	3	2	2	1		62
153	2	1		1			1	4	4	8	7	2						1	1	3	1	3		1				1	5	2				135
154								1	5	6	1								2	2							1	3	2					55
155	1									4																								16
156		1	1					1	2	2	5								1		1	3						3	2	3				47
157								3	3	4	1	1						1		1				1			2	2	6	2	1		1	57
158									2	6	4									1	2		1					2	1	1		1		56
159										1																								26
160																			1		2	1						1	4		2			38

BY AGE, SEX AND GRADE, JUNE, 1922

14 yrs.	15 yrs.	16 yrs.	17 yrs.	18 yrs.	19 yrs.	20 yrs.	21 yrs. or over	TOTALS
417	396	296	110	32	5	2	3	1,515
515	551	356	119	29	9	5	2	1,908
106	226	244	176	42	17	2	5	867
198	384	451	241	88	24	11	2	1,449
10	80	153	182	146	73	26	27	698
11	100	269	303	240	100	30	13	1,068
533	702	693	468	220	95	30	35	3,080
724	1,035	1,076	663	357	133	46	17	4,425
1,257	1,737	1,769	1,131	577	228	76	52	7,505

COLLEGIATE INSTITUTES

I. TABLE L—FINANCIAL

Collegiate Institutes	Receipts					
	Legislative Grants	Municipal Grants (county)	Municipal Grants (local)	School Fees	Debentures	Balances and other sources
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1 Barrie	1,594 61	5,521 11	14,558 06	1,436 00	....	2,021 18
2 Brantford	2,057 13	8,263 08	49,856 58	1,457 00	....	395 05
3 Brockville	1,825 13	6,678 39	25,000 00	482 94	....	1,288 51
4 Chatham	2,131 50	11,330 14	21,484 42	1,683 90	....	1,087 67
5 Clinton	1,415 44	7,596 92	4,500 00	657 00	....	795 81
6 Cobourg	2,061 99	6,264 00	14,237 45	......	....	5,790 65
7 Collingwood	1,985 60	5,366 88	16,795 52	244 00	....	890 73
8 Fort William	4,248 35	......	46,151 81	......	415 99	2,495 69
9 Galt	2,215 15	14,257 96	22,000 00	2,115 50	1,027 40	4,097 09
10 Goderich	1,272 69	4,753 05	5,000 00	715 60	....	6,413 07
11 Guelph	1,443 09	......	25,269 74	3,743 28	....	486 06
12 Hamilton	2,911 63	......	113,093 00	14,763 20	....	48,706 65
13 Ingersoll	2,052 12	4,494 17	15,015 00	629 25	....	2,538 38
14 Kingston	1,580 01	......	38,285 00	9,353 79	....	943 19
15 Kitchener-Waterloo	2,167 52	4,731 45	36,175 82	1,947 40	....	5,925 23
16 Lindsay	1,730 64	13,865 09	15,815 93	1,649 50	....	1,353 48
17 London	4,018 99	9,567 07	152,054 64	4,016 00	297,652 23	9,618 31
18 Morrisburg	1,109 12	4,541 43	4,498 27	......	....	1,430 18
19 Napanee	1,395 86	6,580 79	9,100 00	216 09	....	6,408 16
20 Niagara Falls	2,145 69	4,585 54	23,732 20	......	....	2,662 68
21 North Bay	2,866 02	......	28,592 27	......	....	435 28
22 Orillia	1,552 00	6,465 75	17,367 12	1,665 00	....	7,199 84
23 Ottawa	1,655 67	......	139,637 30	15,383 00	40,000 00	7,163 43
24 Owen Sound	2,032 48	5,179 87	24,722 44	1,843 75	....	243 73
25 Perth	1,639 08	7,676 40	10,822 90	907 92	....	3,101 92
26 Peterborough	1,325 08	......	45,500 00	2,459 00	....	1,714 84
27 Picton	1,720 18	10,267 19	10,500 00	......	....	9,924 62
28 Port Arthur	3,962 09	......	27,411 04	......	....	3,181 34
29 Renfrew	1,981 14	9,815 96	14,300 00	......	....	817 40
30 St. Catharines	50 00	8,418 68	33,449 49	......	37,672 93	8,710 76
31 St. Mary's	1,479 95	3,414 80	12,300 00	1,033 00	....	251 62
32 St. Thomas	1,849 00	8,404 47	42,002 50	665 00	....	912 02
33 Sarnia	2,413 57	......	39,240 00	......	....	2,235 32
34 Seaforth	1,270 40	8,963 00	5,102 51	1,052 20	....	4,364 78
35 Smith's Falls	2,148 03	3,705 86	19,450 00	311 00	....	438 55
36 Stratford	2,200 36	2,658 72	32,137 28	3,654 68	....	11,924 27
37 Strathroy	1,404 92	5,182 95	8,200 00	804 00	....	478 65
Toronto:						
38 Harbord	2,104 57	......	60,787 38	4,534 00	....	179,308 21
39 Humberside	1,407 36	......	69,511 49	4,466 00	....	11,668 97
40 Jarvis	1,977 24	......	65,356 57	3,989 46	....	185 79
41 Malvern	1,371 06	......	40,443 73	5,805 50	120,000 00	......
42 Oakwood	2,088 78	......	76,560 44	8,259 50	180,000 00	......
43 Parkdale	1,362 30	......	63,622 73	3,705 00	198,000 00	......
44 Riverdale	2,110 12	......	74,141 18	2,601 00	80,000 00	2,334 65
45 Vankleek Hill	1,339 12	9,652 49	7,000 00	56 00	....	6,354 91
46 Windsor	1,621 31	8,448 83	90,640 74	......	....	7,569 25
47 Woodstock	2,272 63	10,201 74	24,500 00	2,022 25	....	3,839 26
Totals	90,566 72	226,853 78	1,735,922 55	110,327 71	954,768 55	379,707 18

AND HIGH SCHOOLS

STATEMENT

		Expenditure						
	Total Receipts	Teachers' Salaries	Buildings, Sites and all permanent improvements	Repairs to school accommodations	Library, scientific apparatus, maps, etc., typewriters, and equipment for physical culture	Art, manual training, household science and agricultural dept. equipment	School books, stationery, prizes, fuel, examinations, and all other expenses	Total Expenditure
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1	25,130 96	17,300 04	2,708 95	96 61	374 76	......	4,631 37	25,111 73
2	62,028 84	46,339 31	4,505 75	3,304 26	343 61	51 90	7,484 01	62,028 84
3	35,274 97	20,160 00	508 00	234 07	377 00	250 00	13,385 34	34,914 41
4	37,717 63	27,250 50	......	2,222 93	882 00	16 70	5,772 94	36,145 07
5	14,965 17	11,293 53	......	411 98	443 78	29 95	2,785 93	14,965 17
6	28,354 09	16,480 00	179 12	757 57	......	142 01	3,813 28	21,371 98
7	25,282 73	17,642 00	194 13	166 43	690 77	44 67	6,405 70	25,143 70
8	53,311 84	33,896 36	4,022 39	1,871 51	1,196 70	......	12,324 88	53,311 84
9	45,713 10	31,034 75	2,389 46	1,138 78	253 25	87 82	9,772 59	44,676 65
10	18,154 41	13,546 00	425 00	179 25	539 09	......	3,465 07	18,154 41
11	30,942 17	24,440 00	760 09	906 03	358 55	......	4,477 50	30,942 17
12	179,474 48	83,216 25	37,589 11	5,041 58	1,441 22	167 11	37,399 81	164,855 08
13	24,728 92	16,414 00	178 40	313 25	574 87	......	5,285 33	22,765 85
14	50,161 99	39,648 93	......	953 00	583 89	......	8,518 74	49,704 56
15	50,947 42	28,278 87	......	895 84	1,722 42	389 20	11,315 18	42,601 51
16	34,414 64	24,527 50	......	894 82	361 51	......	8,444 22	34,228 05
17	476,927 24	87,367 50	267,840 79	578 62	603 16	5 65	75,028 78	431,424 50
18	11,579 00	9,469 77	......	278 54	173 39	......	1,657 30	11,579 00
19	23,700 90	13,710 00	828 36	496 43	310 99	......	3,907 61	19,253 39
20	33,126 11	23,819 28	......	1,105 01	......	......	8,201 82	33,126 11
21	31,893 57	19,064 09	426 21	1,644 53	198 90	11 63	10,548 21	31,893 57
22	34,249 71	18,258 45	......	877 45	965 00	......	4,230 93	24,331 83
23	203,839 40	95,020 00	72,664 08	586 03	576 08	......	34,757 27	203,603 46
24	34,022 27	27,216 00	1,030 30	308 94	41 84	493 91	4,931 28	34,022 27
25	24,148 22	13,160 00	679 60	562 32	563 95	......	3,388 90	18,354 77
26	50,998 92	37,001 00	409 21	200 00	1,500 00	29 00	11,340 41	50,479 62
27	32,411 99	18,001 31	666 97	109 84	374 88	......	4,102 07	23,255 07
28	34,554 47	24,762 00	1,408 04	719 07	1,240 91	1,090 50	4,973 10	34,193 62
29	26,914 50	19,077 19	......	760 45	244 94	......	6,831 92	26,914 50
30	88,301 86	33,543 85	2,445 92	1,721 93	216 40	353 81	45,568 32	83,850 23
31	18,479 37	14,307 73	132 44	322 60	14 00	......	3,668 66	18,445 43
32	53,832 99	42,060 50	4,220 39	429 19	......	102 10	6,631 40	53,443 58
33	43,888 89	34,207 60	2,657 64	934 80	591 30	......	5,497 55	43,888 89
34	20,752 89	12,784 65	571 29	156 60	......	......	2,237 13	15,749 67
35	26,053 44	18,323 00	1,182 71	1,851 90	......	......	4,004 58	25,362 19
36	52,575 31	37,062 13	......	582 77	1,360 92	......	13,052 20	52,058 02
37	16,070 52	12,170 00	......	161 40	......	......	3,203 42	15,534 82
38	246,734 16	62,196 10	1,565 27	9,982 36	156 30	......	41,019 21	114,919 24
39	87,053 82	57,747 13	1,565 20	5,769 05	117 61	......	21,854 83	87,053 82
40	71,509 06	50,947 50	1,565 20	3,970 96	98 72	......	14,926 68	71,509 06
41	167,620 29	36,022 15	23,105 54	2,288 11	240 67	......	9,665 86	71,322 33
42	266,908 72	67,564 74	111,040 10	1,396 77	146 97	5,502 96	23,786 58	209,438 12
43	266,690 03	55,198 98	85,668 37	2,366 61	114 47	8 60	114,740 69	258,097 72
44	161,186 95	52,448 78	47,871 66	6,977 61	79 88	6,409 90	11,370 93	125,158 76
45	24,402 52	12,440 00	......	481 18	73 78	......	1,997 73	14,992 69
46	108,280 13	53,123 74	4,229 37	7,715 30	329 46	......	32,637 93	98,035 80
47	42,835 88	27,185 50	687 60	1,032 12	......	168 30	12,364 60	41,438 12
	3,498,146 49	1,536,728 71	687,922 66	75,756 40	20,477 94	15,355 72	687,409 79	3,023,651 22

COLLEGIATE INSTITUTES

I. TABLE L—FINANCIAL

High Schools	Receipts					
	Legislative Grants	Municipal Grants (county)	Municipal Grants (local)	School Fees	Debentures	Balances and other sources
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1 Alexandria......	955 15	984 45	7,821 00	......	....	972 02
2 Alliston........	552 70	1,659 74	4,700 00	339 50	....	280 83
3 Almonte........	872 49	3,661 72	7,349 28	......	....	3,308 78
4 Amherstburg....	722 44	1,740 24	5,280 97	......	26,761 09	733 25
5 Arnprior.......	1,296 10	3,692 12	11,301 35	25 00	....	2,115 89
6 Arthur.........	996 69	4,041 63	3,578 52	418 70	....	324 43
7 Athens.........	1,122 36	6,029 26	5,800 00	226 50	....	24,079 68
8 Aurora.........	1,028 00	3,259 54	6,086 50	59 00	....	369 57
9 Avonmore......	793 04	6,295 12	....	......	....	936 03
10 Aylmer.........	1,051 17	4,696 77	2,600 00	551 50	2,000 00	749 75
11 Beamsville......	3,004 48	9,510 84	2,932 78	......	1,576 85	526 11
12 Belleville.......	1,650 52	7,177 30	30,895 16	......	....	549 27
13 Bowmanville....	1,223 43	3,554 73	9,275 00	165 20	....	348 18
14 Bracebridge.....	1,716 64	......	6,650 00	983 50	....	33 47
15 Bradford.......	760 72	1,692 07	2,600 00	204 50	....	1,226 22
16 Brampton......	1,591 63	5,527 00	9,500 00	791 00	....	138 11
17 Brighton.......	847 78	2,866 49	3,500 00	82 40	....	501 31
18 Burford........	......	......	6,932 31	......	56,000 00	712 00
19 Burlington......	783 31	1,142 58	5,000 00	489 00	9,571 01	1,377 78
20 Caledonia......	798 85	4,516 16	3,300 00	......	....	1,262 84
21 Campbellford...	1,060 14	5,316 09	5,600 00	......	....	2,246 73
22 Carleton Place..	822 30	2,136 46	5,450 00	327 50	....	281 86
23 Cayuga........	902 79	5,472 95	3,563 10	......	....	5,798 50
24 Chatsworth.....	589 00	589 00	3,413 85	96 00	....	1,531 58
25 Chesley........	849 56	2,954 45	4,200 00	......	....	2,330 62
26 Chesterville.....	769 70	3,067 94	3,400 00	......	....	447 92
27 Colborne.......	638 25	2,028 00	6,235 36	......	....	3,978 93
28 Cornwall.......	1,469 64	7,819 62	17,200 00	......	....	2,788 26
29 Deseronto......	853 66	1,610 84	4,600 00	......	....	507 46
30 Dundalk.......	699 51	1,942 21	2,500 00	302 00	....	965 80
31 Dundas........	1,027 00	3,606 96	9,150 00	518 00	....	261 28
32 Dunnville......	1,155 54	6,182 43	3,200 00	......	....	2,837 16
33 Durham........	905 95	3,386 15	3,549 30	770 20	....	219 11
34 Dutton.........	825 34	4,223 47	1,250 00	577 00	....	1,304 07
35 Elora..........	660 26	2,739 06	2,800 00	342 70	....	400 97
36 Essex..........	1,188 37	6,218 53	5,000 00	......	....	8,883 48
37 Exeter.........	780 71	3,448 34	5,000 00	408 00	....	497 61
38 Fergus.........	836 53	3,296 95	5,062 40	304 00	....	2,076 71
39 Flesherton......	794 82	794 82	5,870 80	171 50	....	667 79
40 Forest.........	795 66	4,071 96	3,475 00	......	....	1,303 55
41 Fort Frances....	1,765 64	......	10,800 00	......	8,750 00	1,044 48
42 Gananoque.....	1,103 37	2,638 53	7,400 09	167 00	....	156 05
43 Georgetown.....	1,174 81	4,590 15	5,805 35	629 00	3,241 35	303 15
44 Glencoe........	766 11	3,124 54	2,794 81	381 00	....	1,130 49
45 Gravenhurst....	1,622 50	......	4,341 38	153 50	....	26 75
46 Grimsby........	756 83	4,669 61	4,000 00	......	....	6,083 59
47 Hagersville.....	819 63	5,767 67	3,300 00	......	....	172 80
48 Haileybury.....	2,311 48	......	5,173 00	4,670 55	....	5,985 07
49 Harriston.......	956 79	2,535 61	5,233 01	513 00	....	103 15
50 Hawkesbury....	836 25	2,798 98	3,412 64	......	....	46 00
51 Iroquois........	793 55	3,977 41	4,000 00	......	....	1,350 51
52 Kemptville.....	980 66	6,556 94	3,000 00	436 50	280 80	29 11
53 Kenora.........	2,570 24	......	14,574 02	......	....	312 00
54 Kincardine.....	1,157 23	4,314 23	5,151 28	767 50	....	1,849 01
55 Kingsville......	......	......	4,200 00	......	45,025 00	......
56 Leamington.....	1,278 98	4,865 21	9,500 00	......	....	1,367 69
57 Listowel........	1,306 97	4,408 98	7,900 00	752 00	....	94 62

AND HIGH SCHOOLS (Continued)

STATEMENT—(Continued)

		Expenditure						
	Total Receipts	Teachers' Salaries	Buildings, Sites and all permanent improvements	Repairs to school accommodations	Library, scientific apparatus, maps, etc., typewriters, and equipment for physical culture	Art, manual training, household science and agricultural dept. equipment	School books, stationery, prizes, fuel, examinations, and all other expenses	Total Expenditure
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1	10,732 62	6,580 00	......	127 31	151 42	......	2,731 86	9,590 59
2	7,532 77	5,082 05	......	408 30	......	......	1,948 08	7,438 43
3	15,192 27	8,286 50	700 00	......	......	......	1,121 32	10,107 82
4	35,237 99	6,260 00	27,097 91	25 34	234 89	......	1,619 85	35,237 99
5	18,430 46	11,430 92	1,578 62	356 05	94 85	......	3,416 99	16,877 43
6	9,359 97	7,000 50	......	191 60	21 65	49 55	3,110 85	10,374 15
7	37,257 80	8,965 00	1,257 25	215 40	197 97	53 01	2,650 19	13,338 82
8	10,802 61	8,566 00	485 99	......	99 88	......	1,490 50	10,642 37
9	8,024 19	4,875 00	276 10	......	215 00	......	993 12	6,359 22
10	11,649 19	7,965 00	2,000 00	......	......	......	1,684 19	11,649 19
11	17,551 06	7,922 50	1,488 31	371 62	363 80	305 00	5,805 23	16,256 46
12	40,272 25	29,313 85	......	861 08	9 51	362 25	9,725 56	40,272 25
13	14,566 54	9,413 24	......	732 47	263 95	116 21	2,944 57	13,470 44
14	9,383 61	6,879 98	1,583 31	102 84	599 20	......	215 28	9,380 61
15	6,483 51	4,200 00	......	348 40	......	......	1,918 31	6,466 71
16	17,547 74	12,540 00	794 84	48 48	751 65	......	3,412 77	17,547 74
17	7,797 98	5,150 00	......	319 68	153 45	......	1,901 42	7,524 55
18	63,644 31	2,400 00	45,118 81	......	1,230 03	......	2,423 35	51,172 19
19	18,363 68	4,812 00	9,929 61	89 97	......	......	2,204 34	17,035 92
20	9,877 85	6,145 50	1,065 36	275 85	117 36	......	2,118 95	9,723 02
21	14,222 96	10,230 00	......	382 92	216 38	......	2,293 33	13,122 63
22	9,018 12	6,920 00	......	126 37	49 00	......	1,542 51	8,637 88
23	15,737 34	6,790 75	......	128 16	329 95	......	1,909 29	9,158 15
24	6,219 43	3,380 00	......	......	7 50	......	2,456 48	5,843 98
25	10,334 63	7,640 00	......	456 54	259 53	......	1,961 79	10,317 86
26	7,685 56	4,840 00	......	192 27	......	......	1,639 04	6,671 31
27	12,880 54	3,720 00	......	......	179 03	......	4,303 78	8,202 81
28	29,277 52	17,310 00	117 75	......	......	......	3,929 81	21,357 56
29	7,571 96	5,200 00	......	281 46	121 25	......	1,969 25	7,571 96
30	6,409 52	4,785 00	......	15 45	......	......	1,104 83	5,905 28
31	14,563 24	9,433 71	648 30	153 97	73 30	......	4,163 87	14,473 15
32	13,375 13	9,933 50	36 78	51 17	30 00	......	2,504 87	12,556 32
33	8,830 71	6,727 20	......	13 50	365 00	......	1,725 01	8,830 71
34	8,179 88	6,500 00	......	184 54	......	......	1,394 21	8,078 75
35	6,942 99	4,140 00	64 40	860 71	25 01	......	1,626 05	6,716 17
36	21,290 38	9,720 00	531 90	4,393 82	......	167 78	4,759 10	19,572 60
37	10,134 66	6,080 00	497 49	643 87	231 94	......	1,360 68	8,813 98
38	11,576 59	6,480 00	163 09	205 39	35 92	......	2,151 75	9,036 15
39	8,299 73	4,968 00	......	1 97	16 50	......	1,830 47	6,816 94
40	9,646 17	6,040 00	130 00	......	14 95	......	1,397 46	7,582 41
41	22,360 12	7,450 00	9,811 52	......	631 70	......	4,018 08	21,911 30
42	11,465 04	7,917 00	587 15	290 82	......	......	2,670 07	11,465 04
43	15,743 81	9,040 00	3,241 35	96 75	104 63	......	3,173 58	15,656 31
44	8,196 95	5,200 00	......	26 05	......	......	1,540 06	6,766 11
45	6,144 13	4,810 00	......	14 40	95 25	......	1,035 65	5,955 30
46	15,510 03	5,920 00	6,193 80	31 27	450 63	......	1,693 35	14,289 05
47	10,060 10	6,033 74	921 42	150 43	221 85	......	2,248 29	9,575 73
48	18,140 10	8,061 75	......	219 22	29 11	......	2,520 94	10,831 02
49	9,341 56	7,630 00	76 40	229 48	61 48	......	1,326 79	9,324 15
50	7,093 87	5,000 00	......	257 71	190 54	......	1,645 62	7,093 87
51	10,121 47	6,930 00	......	773 38	164 55	50 89	1,662 66	9,581 48
52	11,284 01	8,170 00	......	47 80	18 41	......	2,592 48	10,828 69
53	17,456 26	11,773 15	206 70	225 00	107 32	......	4,085 19	16,397 36
54	13,239 25	8,800 00	......	408 06	......	......	3,493 84	12,701 90
55	49,225 00	3,120 00	43,009 29	......	1,181 23	......	503 40	47,813 92
56	17,011 88	10,887 98	391 24	476 85	59 01	101 17	2,314 50	14,230 75
57	14,462 57	9,591 50	......	133 72	......	......	4,717 35	14,442 57

COLLEGIATE INSTITUTES

I. TABLE L—FINANCIAL

High Schools	Receipts					
	Legislative Grants	Municipal Grants (county)	Municipal Grants (local)	School Fee	Debentures	Balances and other sources
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
58 Lucan	937 25	4,661 55	3,000 00	449 00	....	2,666 56
59 Madoc	855 78	4,756 50	2,400 00	......	....	810 87
60 Markdale	610 40	610 40	3,130 69	609 00	....	3,201 09
61 Markham	855 78	5,077 71	2,159 92	584 00	....	1,079 06
62 Meaford	1,483 34	3,345 00	8,000 00	554 50	....	252 45
63 Midland	1,163 09	2,416 69	10,249 00	778 85	920 00	276 46
64 Milton	695 26	7,179 49	6,232 43	787 80	34,401 67	6,287 81
65 Mitchell	932 00	1,678 98	5,600 00	376 00	....	1,732 11
66 Morewood	640 95	694 15	4,521 95	......	....	6,277 87
67 Mount Forest	834 75	4,217 54	5,260 06	513 00	....	631 06
68 Newburgh	682 36	4,647 40	1,100 00	......	....	2,940 93
69 Newcastle	607 09	1,573 98	1,530 68	......	....	19 00
70*Newmarket	1,396 92	4,847 94	11,000 00	1,640 00	....	272 40
71 Niagara	635 29	945 48	2,822 50	......	....	71 16
72 Niagara Falls S.	1,719 13	170 25	19,277 78	......	1,086 94	11,258 35
73 Norwich	895 05	1,973 42	7,004 03	......	....	208 79
74 Norwood	819 13	2,567 15	3,183 80	440 80	....	1,109 86
75 Oakville	2,266 81	7,787 28	700 64	687 70	....	4,484 12
76 Omemee	560 53	1,089 09	2,251 96	149 00	....	560 59
77 Orangeville	1,339 96	2,200 02	6,800 00	878 00	....	2,812 43
78 Oshawa	1,438 90	4,001 48	18,900 00	65 00	3,292 69	2,619 09
79 Paris	1,142 87	2,820 70	9,500 00	130 40	....	453 71
80 Parkhill	844 80	3,422 78	5,718 49	532 00	....	483 06
81 Parry Sound	1,870 72	......	7,117 00	124 00	....	111 11
82 Pembroke	1,288 20	3,459 16	13,600 61	......	....	1,230 96
83 Penetanguish'ne	940 68	940 68	5,611 55	......	....	192 49
84 Petrolia	856 99	2,915 64	6,000 00	......	....	2,137 09
85 Plantagenet	771 18	2,011 75	5,100 00	......	....	3,527 59
86 Port Dover	616 67	857 11	2,914 19	......	....	73 28
87 Port Elgin	712 30	3,074 35	3,200 00	260 25	....	291 83
88 Port Hope	1,304 12	3,766 07	8,763 95	660 80	1,481 38	4 00
89 Port Perry	3,378 90	5,741 62	2,896 50	290 55	....	35 00
90 Port Rowan	578 41	1,535 00	1,979 11	......	....	......
91 Prescott	968 17	1,672 87	6,997 00	81 00	....	157 02
92 Richmond Hill	777 08	3,432 84	2,175 00	453 00	....	220 27
93 Ridgetown	1,072 70	5,101 45	5,000 00	703 00	....	225 19
94 Rockland	779 47	3,501 83	2,002 91	105 00	....	859 67
95 S. S. Marie	3,301 17	......	35,777 03	1,692 00	171,748 11	182 98
96 Shelburne	757 43	265 06	4,400 00	268 00	....	881 07
97 Simcoe	1,138 35	6,356 67	5,405 11	......	....	179 58
98 Smithville	721 91	2,094 77	3,200 00	......	....	4,548 75
99 Stirling	846 27	5,257 48	5,100 00	......	....	2,289 34
100 Streetsville	682 63	1,914 00	1,300 00	276 00	....	773 11
101 Sudbury	2,825 80	......	24,304 56	60 00	....	1,537 76
102 Sydenham	993 77	7,150 00	....	320 00	....	1,013 52
103 Thorold	806 70	2,026 40	9,000 00	......	....	509 91
104 Tillsonburg	1,280 69	2,747 96	8,000 00	550 50	....	1,456 55
105 Toronto, Davenport	1,287 85	......	31,572 41	647 00	....	......
106 Toronto, North	1,390 21	......	44,641 07	1,735 00	167,800 00	......
107 Trenton	1,265 59	1,614 82	12,336 00	......	....	2,452 56
108 Tweed	837 70	4,181 39	2,700 00	......	....	2,410 60
109 Uxbridge	941 63	4,842 34	5,700 00	524 50	....	401 22
110 Vienna	545 67	1,419 59	1,600 00	......	....	1,316 57
111 Walkerton	952 08	2,791 41	7,500 00	425 73	....	1,527 32
112 Wallaceburg	1,032 43	2,592 87	5,800 00	136 00	....	3,289 14
113 Wardsville	556 20	1,899 81	1,226 63	131 25	....	356 29

*Figures for 1920, except Legislative Grant.

AND HIGH SCHOOLS (Continued)

STATEMENT (Continued)

		Expenditure						
	Total Receipts	Teachers' Salaries	Buildings, Sites and all permanent improvements	Repairs to school accommodations	Library, scientific apparatus, maps, etc., typewriters, and equipment for physical culture	Art, manual training, household science and agricultural dept. equipment	School books, stationery, prizes, fuel, examinations, and all other expenses	Total Expenditure
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
58	11,714 36	7,408 00	789 22	262 83	103 64	......	3,150 67	11,714 36
59	8,823 15	7,459 09	28 50	102 76	......	......	1,133 51	8,723 86
60	8,161 58	4,230 00	29 68	......	......	......	1,618 12	5,877 80
61	9,756 47	7,200 00	......	144 47	16 96	......	1,455 13	8,816 56
62	13,635 29	10,333 75	......	529 10	141 08	......	2,228 20	13,232 13
63	15,804 09	9,980 00	......	133 33	605 05	......	3,254 06	13,972 44
64	55,584 46	7,328 20	......	114 18	706 07	......	10,561 77	18,710 22
65	10,319 09	7,244 86	367 60	93 04	......	......	2,613 59	10,319 09
66	12,134 92	3,940 00	......	......	......	......	1,116 06	5,056 06
67	11,456 41	6,540 00	1,220 30	619 16	165 82	......	2,024 75	10,570 03
68	9,370 69	4,560 00	......	63 85	7 33	......	1,077 98	5,709 16
69	3,730 75	2,883 32	......	160 82	105 56	......	581 05	3,730 75
70	19,157 26	12,117 68	215 55	362 70	292 69	......	4,520 81	17,509 43
71	4,474 43	3,480 00	33 70	69 20	......	......	711 52	4,294 42
72	33,512 45	12,180 00	5,692 29	324 19	115 99	364 99	3,782 81	22,460 27
73	10,081 29	4,600 00	787 16	1,139 08	350 00	......	1,866 05	8,742 29
74	8,120 74	5,340 00	......	477 44	71 65	......	1,643 63	7,532 72
75	15,926 55	7,900 00	589 77	806 70	......	795 08	2,366 21	12,457 76
76	4,611 17	2,934 00	19 50	25 00	53 00	......	1,166 68	4,198 18
77	14,030 41	10,803 50	388 06	80 60	12 04	......	2,649 02	13,933 22
78	30,317 16	19,335 23	4,002 77	1,360 82	791 73	......	4,204 98	29,695 53
79	14,047 68	10,230 00	474 17	200 35	117 52	......	1,690 15	12,712 19
80	11,001 13	7,120 00	1,418 49	134 46	42 55	......	1,589 90	10,305 40
81	9,222 83	6,960 00	......	140 37	......	......	2,122 46	9,222 83
82	19,578 93	14,236 00	597 80	707 80	124 50	......	3,451 45	19,117 55
83	7,685 40	5,580 00	......	120 27	......	......	1,761 37	7,461 64
84	11,909 72	7,500 00	......	164 49	......	......	1,789 11	9,453 60
85	11,410 52	4,920 00	400 00	......	......	......	973 24	6,293 24
86	4,461 25	3,227 98	......	......	95 57	......	1,137 70	4,461 25
87	7,538 73	4,800 00	......	......	36 81	......	1,207 16	6,043 97
88	15,980 32	10,342 27	......	......	131 26	54 78	5,089 04	15,617 35
89	12,342 57	8,245 50	1,954 19	......	107 82	110 00	1,343 90	11,761 41
90	4,092 52	3,270 00	......	166 75	9 35	......	646 42	4,092 52
91	9,876 06	7,219 00	110 50	......	42 60	......	2,459 67	9,831 77
92	7,058 19	4,910 40	......	126 72	451 23	......	1,321 11	6,809 46
93	12,102 34	9,134 00	......	41 08	14 10	......	2,869 54	12,058 72
94	7,248 88	4,340 00	174 26	77 93	21 88	......	1,466 27	6,080 34
95	212,701 29	31,059 92	169,794 87	89 50	1,535 60	300 76	9,503 00	212,283 65
96	6,571 56	5,380 01	......	54 89	76 98	......	1,051 31	6,563 19
97	13,079 71	10,508 14	......	448 72	......	......	2,122 85	13,079 71
98	10,565 43	5,100 00	......	......	328 11	......	1,325 03	6,753 14
99	13,493 09	6,334 57	2 94	614 01	......	......	1,840 02	8,791 54
100	4,945 74	3,820 00	......	22 70	......	......	788 04	4,630 74
101	28,728 12	15,381 00	2,172 55	1,843 46	1,362 06	......	5,429 03	26,188 10
102	9,477 29	7,252 38	50 00	179 12	27 24	......	1,924 93	9,433 67
103	12,343 01	6,625 25	870 58	1,296 59	......	......	1,929 84	10,722 26
104	14,035 70	9,939 70	588 98	27 10	96 58	......	3,224 52	13,876 88
105	33,507 26	23,710 75	1,565 20	988 35	345 02	29 92	6,868 02	33,507 26
106	215,566 28	35,092 74	6,125 55	2,344 09	211 67	9 10	38,767 70	82,550 85
107	17,668 97	9,660 00	......	3 50	25 00	......	6,673 13	16,361 63
108	10,129 69	5,180 00	252 66	26 20	65 96	......	1,288 82	6,813 64
109	12,409 69	8,860 00	100 00	130 50	166 67	......	2,252 12	11,509 29
110	4,881 83	2,761 35	......	......	......	......	434 76	3,196 11
111	13,196 54	8,760 00	40 00	......	1,012 01	......	1,840 56	11,652 57
112	12,850 44	8,709 52	766 87	151 78	275 46	......	1,583 16	11,486 79
113	4,170 18	2,950 00	234 70	3 92	81 78	......	694 93	3,965 33

COLLEGIATE INSTITUTES

I. TABLE L—FINANCIAL

High Schools	Receipts					
	Legislative Grants	Municipal Grants (county)	Municipal Grants (local)	School Fees	Debentures	Balances and other sources
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
114 Waterdown....	656 75	2,030 99	3,900 00	204 00	....	495 50
115 Waterford.....	806 67	2,624 63	4,000 00	......	....	1,616 39
116 Watford.......	1,002 92	5,683 33	4,900 00	189 00	....	3,678 01
117 Welland.......	1,492 94	6,697 40	15,000 00	......	....	1,821 04
118 Weston........	1,238 74	5,308 62	12,800 00	1,185 00	....	3,071 72
119 Whitby.......	2,288 04	5,043 94	5,909 18	203 00	....	1,420 53
120 Wiarton.......	825 19	3,073 23	3,000 00	222 00	....	344 13
121*Williamstown..	928 84	665 86	6,340 50	......	....	731 42
122 Winchester....	1,126 24	4,160 45	5,769 12	......	....	872 88
123 Wingham......	1,201 10	5,012 40	4,381 28	481 80	3,758 00	1,855 10
1 Totals, High Schools......	132,597 81	391,352 62	825,472 90	37,726 18	537,694 89	200,536 70
2 Totals, Collegiate Institutes....	90,566 72	226,853 78	1,735,922 55	110,327 71	954,768 55	379,707 18
3 Grand Totals, '21.	223,164 53	618,206 40	2,561,395 45	148,053 89	1,492,463 44	580,243 88
4 Grand Totals, '20.	176,158 73	509,776 29	2,323,609 97	194,893 23	91,983 91	768,627 77
5 Increases........	47,005 80	108,430 11	237,785 48	......	1,400,479 53	......
6 Decreases........	......	......	....	46,839 34	....	188,383 89
7 Percentages......	3.97	10.99	45.54	2.63	26.54	10.31

*Figures for 1920, except Legislative Grant.

AND HIGH SCHOOLS (Continued)

STATEMENT (Concluded)

		Expenditure						
	Total Receipts	Teachers' Salaries	Buildings, Sites and all permanent improvements	Repairs to school accommodations	Library, scientific apparatus, maps, etc., typewriters, and equipment for physical culture	Art, manual training, household science and agricultural dept. equipment	School books, stationery, prizes, fuel, examinations, and all other expenses	Total Expenditure
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
114	7,287 24	5,190 00	1,070 00	315 45	157 59	......	554 20	7,287 24
115	9,047 69	4,760 00	......	298 00	235 04	......	1,363 68	6,656 72
116	15,453 26	7,180 00	98 00	......	297 27	......	2,854 63	10,429 90
117	25,011 38	15,840 00	258 34	283 11	469 35	315 93	4,452 76	21,619 49
118	23,604 08	14,086 06	3,665 95	449 46	718 82	......	4,683 79	23,604 08
119	14,864 69	10,322 00	......	1,024 68	44 64	......	3,473 37	14,864 69
120	7,464 55	5,176 36	......	56 59	141 95	......	1,577 10	6,952 00
121	8,666 62	6,571 50	54 56	......	......	97 30	1,752 78	8,476 14
122	11,928 69	7,152 50	......	207 86	44 23	246 30	1,785 60	9,436 49
123	16,689 68	10,182 13	3,758 00	100 28	95 80	......	2,553 47	16,689 68
1	2,125,381 10	994,339 98	370,767 95	35,656 79	22,324 21	3,530 02	339,940 40	1,766,559 35
2	3,498,146 49	1,536,728 71	687,922 66	75,756 40	20,477 94	15,355 72	687,409 79	3,023,651 22
3	5,623,527 59	2,531,068 69	1,058,690 61	111,413 19	42,802 15	18,885 74	1,027,350 19	4,790,210 57
4	4,065,049 90	2,269,387 30	364,263 58	118,461 25	39,344 44	18,180 14	779,296 36	3,588,933 07
5	1,558,477 69	261,681 39	694,427 03	......	3,457 71	705 60	248,053 83	1,201,277 50
6	......	......	......	7,048 06	......	......	......	......
7	......	52.83	22.10	2.32	.89	.39	21.44	......

Cost per pupil, enrolled attendance, $121.56.

COLLEGIATE INSTITUTES AND

II. TABLE M—BOARDS OF EDUCATION,

Collegiate Institutes	Schools under Board of Education	Value of					
		Library	Scientific Apparatus	Charts, Maps and Globes	Art Models	Typewriters	Biological Specimens
		$	$	$	$	$	$
1 Barrie	1	524	947	78	113	750	122
2 Brantford	1	919	2,717	611	199	2,216	685
3 Brockville	1	1,081	1,403	268	130	659	103
4 Chatham	1	1,223	3,687	271	101	2,100	213
5 Clinton	..	1,048	1,377	287	113	225	101
6 Cobourg	..	1,880	1,615	268	132	1,250	162
7 Collingwood	1	904	1,948	248	114	534	119
8 Fort William	1	1,195	1,261	280	140	895	274
9 Galt	..	1,335	1,834	452	285	1,100	387
10 Goderich	..	1,012	832	201	102	500	107
11 Guelph	1	1,112	2,682	233	77	960	319
12 Hamilton	1	2,352	3,178	456	100	310	229
13 Ingersoll	1	992	1,034	151	95	540	100
14 Kingston	1	1,180	1,425	279	100	1,180	114
15 Kitchener-Waterloo	..	2,131	1,494	333	195	2,133	185
16 Lindsay	1	1,924	1,682	80	139	900	268
17 London	1	1,197	2,599	522	.....	.....	287
18 Morrisburg	1	825	1,182	167	111	365	100
19 Napanee	1	1,161	925	272	107	1,003	115
20 Niagara Falls	1	1,296	1,137	261	103	955	110
21 North Bay	..	852	1,208	243	101	1,000	102
22 Orillia	1	894	1,488	163	93	670	116
23 Ottawa	..	3,631	5,231	449	245	.....	465
24 Owen Sound	1	1,263	1,474	105	191	1,045	101
25 Perth	1	1,160	1,198	190	106	315	167
26 Peterborough	1	1,616	1,852	130	181	4,373	242
27 Picton	..	1,165	1,367	340	102	1,040	143
28 Port Arthur	1	1,220	2,205	351	104	800	54
29 Renfrew	1	857	945	95	101	675	133
30 St. Catharines	1	1,213	1,673	232	114	1,265	167
31 St. Mary's	..	1,116	1,195	146	106	260	189
32 St. Thomas	1	1,085	2,150	85	155	1,401	155
33 Sarnia	1	1,239	1,868	182	113	2,085	140
34 Seaforth	..	876	810	105	100	.....	115
35 Smith's Falls	1	717	1,425	88	107	610	103
36 Stratford	1	1,316	1,716	171	89	1,395	500
37 Strathroy	..	1,336	1,164	278	100	200	94
38 Toronto, Harbord	1	3,072	6,156	290	140	.....	1,320
39 Toronto, Humberside	1	2,878	4,439	196	157	90	382
40 Toronto, Jarvis	1	2,516	4,520	265	167	100	600
41 Toronto, Malvern	1	1,837	2,600	133	173	.....	239
42 Toronto, Oakwood	1	2,660	5,110	249	163	130	1,352
43 Toronto, Parkdale	1	2,358	3,594	214	161	.....	387
44 Toronto, Riverdale	1	1,944	2,578	127	120	90	626
45 Vankleek Hill	..	897	1,100	103	97	260	138
46 Windsor	1	1,876	2,773	275	142	2,460	153
47 Woodstock	1	1,735	2,325	238	157	686	118
Totals	35	68,620	99,123	11,161	6,041	39,525	12,401

HIGH SCHOOLS (Continued)

EQUIPMENT, DESTINATION OF PUPILS, ETC.

	General Equipment						Value of Manual Training Department Equipment			
	Equipment for Physical Culture	Gymnasium (not including equipment)	Museum	Aquarium, Herbarium, etc.	Pictures	Total Value of General Equipment	Woodwork	Woodturning	Forging	Machine Shop Practice
	$	$	$	$	$	$	$	$	$	$
1	604	9,000	......	......	127	12,265	......	......	......	......
2	533	10,000	......	......	415	18,295	886	285	502	567
3	447	2,500	50	25	319	6,985	......	......	......	......
4	411	2,500	......	......	177	10,683	768	......	......	......
5	323	1,000	......	7	160	4,641	......	......	......	......
6	555	3,500	31	......	350	9,743	......	......	......	......
7	257	1,200	31	......	......	5,355	......	......	......	......
8	333	16,000	......	119	40	20,537	5,174	1,229	......	......
9	223	......	692	25	2,560	8,893	1,877	299	......	......
10	370	2,500	......	......	190	5,814	......	......	......	......
11	1,191	2,800	100	75	625	10,174	......	......	......	......
12	1,539	8,000	......	......	450	16,614	1,209	......	......	......
13	336	800	......	......	164	4,212	......	......	......	......
14	430	10,000	......	......	350	15,058	......	......	......	......
15	616	1,000	......	......	412	8,499	984	195	700	896
16	506	4,000	268	......	152	9,919	......	......	......	......
17	685	......	......	......	25	5,315	516	......	......	......
18	386	980	150	5	233	4,504	......	......	......	......
19	475	962	......	......	214	5,234	......	......	......	......
20	355	15,000	......	......	200	19,417	......	......	......	......
21	417	10,000	......	......	184	14,107	......	......	......	......
22	288	1,800	......	......	250	5,762	......	......	......	......
23	1,251	10,000	......	......	1,121	22,393	......	......	......	......
24	362	3,000	100	......	100	7,741	1,502	......	......	......
25	486	7,000	......	9	56	10,687	......	......	......	......
26	55	......	242	50	857	9,598	......	......	......	......
27	302	5,000	......	......	778	10,237	......	......	......	......
28	444	15,000	138	6	233	20,555	775	275	75	300
29	379	5,000	......	......	......	8,185	......	......	......	......
30	409	8,000	50	......	501	13,624	......	......	......	......
31	548	6,000	......	......	141	9,701	......	......	......	......
32	480	1,552	200	......	500	7,763	624	......	......	......
33	318	1,380	......	......	......	7,325	......	......	......	......
34	157	600	......	......	......	2,763	......	......	......	......
35	64	7,688	......	......	84	10,886	1,360	364	......	......
36	406	2,000	500	......	354	8,447	600	400	143	390
37	372	3,500	......	......	......	7,044	......	......	......	......
38	409	10,000	......	......	600	21,987	......	......	......	......
39	578	10,000	......	......	765	19,485	......	......	......	......
40	435	7,000	698	75	1,632	18,008	......	......	......	......
41	581	5,000	......	......	423	10,986	......	......	......	......
42	792	10,000	......	85	905	21,446	2,278	351	......	......
43	320	10,000	......	......	502	17,536	......	......	......	......
44	600	15,000	......	50	665	21,800	1,910	480	......	......
45	304	3,200	......	......	100	6,199	......	......	......	......
46	595	40,000	100	......	200	48,574	1,686	......	......	......
47	532	5,000	......	......	252	11,043	778	421	843	2,104
	22,459	294,462	3,350	531	18,366	576,039	22,927	4,299	2,263	4,257

COLLEGIATE INSTITUTES AND

II. TABLE M—BOARDS OF EDUCATION,

Collegiate Institutes	Value of Household Science Department Equipment			Value of Agricultural Department Equipment	Value of Art Equipment (Middle School)	Total value of Special Equipment as per preceding nine columns	Value of School Sites, Buildings and Furniture
	Cookery, Sanitation and Hygiene	Handwork and Machine Sewing	Laundry Work				
	$	$	$	$	$	$	$
1 Barrie							150,000
2 Brantford	3,015	220			160	5,635	250,000
3 Brockville				568	120	688	50,137
4 Chatham	1,392					2,160	60,000
5 Clinton				318	114	432	30,000
6 Cobourg	1,485	261	4	261		2,011	27,600
7 Collingwood							27,914
8 Fort William	1,432	135				7,970	232,672
9 Galt	1,652	33	22		125	4,008	90,000
10 Goderich							45,000
11 Guelph							50,000
12 Hamilton						1,209	289,332
13 Ingersoll							40,000
14 Kingston							153,000
15 Kitchener-Waterloo	1,662				125	4,562	50,000
16 Lindsay					102	102	110,000
17 London	555	91				1,162	415,000
18 Morrisburg							15,350
19 Napanee							60,000
20 Niagara Falls	746	296				1,042	100,000
21 North Bay							105,000
22 Orillia							82,500
23 Ottawa					73	73	507,000
24 Owen Sound	721	82			63	2,368	100,000
25 Perth							50,000
26 Peterborough							83,992
27 Picton							65,000
28 Port Arthur	2,859	93	55			4,432	150,000
29 Renfrew							35,000
30 St. Catharines					31	31	44,000
31 St. Mary's							33,000
32 St. Thomas	978					1,602	75,000
33 Sarnia							60,000
34 Seaforth							25,000
35 Smith's Falls	582	35		333		2,674	125,000
36 Stratford	1,000	50				2,583	100,000
37 Strathroy							75,000
38 Toronto, Harbord							150,000
39 Toronto, Humberside							176,000
40 Toronto, Jarvis							135,500
42 Toronto, Malvern							140,000
42 Toronto, Oakwood	410	8	70			3,117	375,000
43 Toronto, Parkdale							180,000
44 Toronto, Riverdale	1,919				27	4,336	300,000
45 Vankleek Hill							30,000
46 Windsor	1,395					3,081	255,500
47 Woodstock	1,363	67				5,576	100,000
Totals	23,166	1,371	151	1,480	940	60,854	5,773,497

HIGH SCHOOLS (Continued)

EQUIPMENT, DESTINATION OF PUPILS, ETC.—(Continued)

	Religious and other Exercises				Destination of Pupils							
	Schools in which Bible or Selections therefrom are used	Schools opened with Prayer	Schools closed with Prayer	Commencement Exercises	Commerce	Agriculture	Law, Medicine, Dentistry, or the Church	Teaching	The Trades	Other Occupations	Other High Schools or Coll. Institutes	Without Occupation
1	......	1	......	1	11	13	4	15	2	14	9	18
2	1	1	......	1	30	11	14	13	27	16	39	23
3	......	1	......	1	22	6	7	11	2	5	12	15
4	1	1	......	....	35	18	2	9	3	19	14	3
5	1	1	......	1	5	11	......	10	......	5	8	4
6	1	1	......	....	14	6	......	6	2	10	3	5
7	1	1	......	1	18	2	......	5	1	6	8	5
8	1	1	......	1	34	6	7	12	8	28	9	12
9	1	1	......	1	45	12	3	8	7	24	11	3
10	1	1	......	1	16	5	3	7	2	1	10	5
11	......	1	......	1	34	4	1	9	8	21	11	9
12	1	1	......	1	41	1	41	19	......	8	79	51
13	1	1	......	1	16	8	5	1	5	7	11	14
14	1	1	......	....	66	22	18	12	15	30	25	6
15	1	1	......	1	38	3	22	2	2	13	......	21
16	......	1	......	1	36	9	8	20	7	3	7	6
17	......	1	......	1	145	15	30	25	50	49	35	55
18	1	1	......	1	2	4	1	8	1	1	4	4
19	1	1	......	1	20	9	9	5	2	6	9	2
20	1	1	......	1	10	1	8	5	20	30	4	28
21	......	1	......	1	31	......	5	17	......	......	23	26
22	1	1	......	1	28	5	9	21	4	14	9	8
23	1	1	......	1	85	10	25	20	13	109	50	75
24	......	1	......	1	25	5	11	10	1	19	6	18
25	1	1	......	1	7	16	3	10	18	6	4	8
26	......	1	......	1	45	11	7	8	20	20	7	15
27	......	1	......	1	19	30	4	11	4	12	7	7
28	1	1	......	1	20	......	1	5	5	6	8	9
29	......	1	......	1	16	20	13	39	6	......	5	......
30	1	1	......	1	57	7	11	7	7	18	24	22
31	1	1	......	1	11	13	......	9	1	4	4	5
32	......	1	......	1	59	39	12	14	72	14	11	......
33	1	1	......	1	8	4	6	4	......	38	14	20
34	......	1	......	....	2	3	6	16	2	3	7	1
35	......	1	......	1	21	6	1	3	1	18	9	4
36	......	1	......	1	17	1	8	12	3	10	1	21
37	1	1	......	1	5	5	2	13	2	11	......	3
38	1	1	......	1	30	......	30	30	......	35	125	37
39	1	1	......	1	46	3	18	2	4	8	23	64
40	1	1	......	1	24	3	36	8	10	30	25	15
41	1	1	......	1	35	8	9	7	20	22	8	19
42	1	1	......	1	43	1	10	13	15	13	68	34
43	1	1	......	1	50	6	25	16	25	35	30	16
44	1	1	......	1	58	1	14	8	1	16	32	37
45	......	1	......	....	9	5	......	6	......	6	6	4
46	......	1	......	1	77	......	11	2	19	38	39	19
47	......	1	......	1	30	16	11	21	5	9	8	6
	30	47	......	42	1,496	384	471	534	422	810	859	781

COLLEGIATE INSTITUTES AND

II. TABLE M—BOARDS OF EDUCATION,

High Schools	Schools under Board of Education	Value of General					
		Library	Scientific Apparatus	Charts, Maps and Globes	Art Models	Typewriters	Biological Specimens
		$	$	$	$	$	$
1 Alexandria	..	817	691	87	83	.....	130
2 Alliston	..	387	826	55	49	.....	54
3 Almonte	1	712	625	58	63	.....	102
4 Amherstburg	..	315	436	82	52	150	49
5 Arnprior	1	748	705	97	75	.....	104
6 Arthur	..	437	811	58	79	.....	83
7 Athens	..	735	849	111	84	.....	123
8 Aurora	..	613	966	109	84	.....	102
9 Avonmore	..	427	822	124	57	.....	64
10 Aylmer	..	1,157	1,061	268	85	140	220
11 Beamsville	1	371	675	121	89	.....	105
12 Belleville	1	1,191	1,836	299	95	1,149	195
13 Bowmanville	..	793	968	144	103	.....	139
14 Bracebridge	1	488	952	133	47	.....	71
15 Bradford	..	381	462	76	83	.....	52
16 Brampton	..	123	1,014	186	71	.....	117
17 Brighton	1	365	450	268	76	115	75
18 Burford	..	429	613	104	21	.....	3
19 Burlington	..	335	463	2	61	.....	30
20 Caledonia	1	750	895	114	68	.....	107
21 Campbellford	1	906	1,045	165	109	290	169
22 Carleton Place	1	831	676	120	86	.....	100
23 Cayuga	1	31	490	.....	.....	.....	35
24 Chatsworth	..	324	325	79	51	.....	48
25 Chesley	..	480	644	109	65	60	81
26 Chesterville	..	402	729	121	50	.....	99
27 Colborne	1	573	625	60	55	.....	54
28 Cornwall	..	868	822	97	80	1,070	104
29 Deseronto	..	615	837	103	51	.....	58
30 Dundas	1	857	987	85	76	1,125	61
31 Dundalk	..	296	243	70	57	.....	50
32 Dunnville	1	569	927	170	91	160	122
33 Durham	..	448	540	80	58	.....	109
34 Dutton	..	428	696	66	85	.....	103
35 Elora	1	317	532	53	53	.....	5
36 Essex	..	453	758	66	75	.....	101
37 Exeter	1	534	536	69	79	150	63
38 Fergus	1	698	622	89	80	.....	101
39 Flesherton	..	383	369	56	61	.....	52
40 Forest	..	517	670	50	58	50	58
41 Fort Frances	..	437	404	180	83	1,281	56
42 Gananoque	1	858	943	76	104	366	81
43 Georgetown	..	569	727	106	91	235	150
44 Glencoe	..	454	724	65	51	.....	124
45 Gravenhurst	1	393	464	79	53	160	50
46 Grimsby	1	348	450	98	65	.....	48
47 Hagersville	..	728	737	132	79	.....	95
48 Haileybury	..	697	1,038	79	92	151	81
49 Harriston	1	453	661	62	79	.....	99
50 Hawkesbury	1	616	660	62	70	.....	53
51 Iroquois	..	1,038	1,153	187	77	100	108
52 Kemptville	1	560	876	130	70	.....	112
53 Kenora	1	651	897	286	74	1,328	63
54 Kincardine	..	735	1,067	80	99	.....	95
55 Kingsville	..	400	979	69	41	110	249
56 Leamington	..	645	837	120	110	.....	109
57 Listowel	1	429	454	60	59	500	124

HIGH SCHOOLS (Continued)

EQUIPMENT, DESTINATION OF PUPILS, ETC. (Continued)

	Equipment						Value of Manual Training Department Equipment			
	Equipment for Physical Culture	Gymnasium (not including equipment)	Museum	Aquarium, Herbarium, etc.	Pictures	Total Value of General Equipment	Woodwork	Woodturning	Forging	Machine Shop Practice
	$	$	$	$	$	$	$	$	$	$
1	26				160	1,994				
2					40	1,411				
3	55					1,615				
4	31				12	1,127	362			
5	56				182	1,967				
6	13				39	1,520				
7	32					1,934				
8	94				300	2,268				
9	90				10	1,594				
10	141	3,000			117	6,189				
11	271	3,054			55	4,741				
12	222				280	5,267				
13	90				19	2,256				
14	47					1,738				
15	44				5	1,103				
16	175	10,000			70	11,756				
17	15					1,364				
18	25	2,500				3,695				
19	54					945				
20	40					1,974				
21	29				600	3,313				
22	52				40	1,905				
23			11			567				
24	16				15	858				
25	97				100	1,636				
26	43				74	1,518				
27	45				110	1,522				
28	60			25	396	3,522				
29	211				50	1,925				
30	48					3,239				
31	10				25	751				
32	80				225	2,344				
33	107					1,342				
34	15				59	1,452				
35	50					1,010				
36	53				30	1,536				
37	16				75	1,522				
38	51					1,641				
39	35				40	996				
40	38				55	1,496				
41	125			30	109	2,705				
42	202	1,600			437	4,667				
43	39		200		200	2,317				
44	26				25	1,469				
45	9				20	1,228				
46	154				68	1,231				
47	182				66	2,019				
48	38				345	2,521				
49	11				100	1,465				
50	42					1,503				
51	40				91	2,794				
52	36				118	1,902				
53	450	2,500			165	6,414				
54	80	800				2,956				
55	95					1,943				
56	137				73	2,031				
57	93					1,719				

COLLEGIATE INSTITUTES AND

II. TABLE M—BOARDS OF EDUCATION,

High Schools	Value of Household Science Department Equipment			Value of Agricultural Department Equipment	Value of Art Equipment (Middle School)	Total value of Special Equipment as per preceding nine columns	Value of School Sites, Buildings and Furniture
	Cookery, Sanitation and Hygiene	Handwork and Machine Sewing	Laundry Work				
	$	$	$	$	$	$	$
1 Alexandria							25,000
2 Alliston							40,000
3 Almonte				91		91	2,600
4 Amherstburg						362	78,150
5 Arnprior							20,000
6 Arthur				259		259	20,000
7 Athens				27		27	2,200
8 Aurora							15,000
9 Avonmore							20,000
10 Aylmer							30,000
11 Beamsville	550		115	432		1,097	70,000
12 Belleville	838	77	22	200		1,137	85,000
13 Bowmanville				597		597	40,000
14 Bracebridge							8,500
15 Bradford							25,000
16 Brampton							80,000
17 Brighton							40,000
18 Burford							60,000
19 Burlington							9,250
20 Caledonia							25,000
21 Campbellford							30,000
22 Carleton Place							28,550
23 Cayuga							15,000
24 Chatsworth							10,000
25 Chesley					65	65	22,000
26 Chesterville							15,000
27 Colborne							8,500
28 Cornwall	607	164				771	45,000
29 Deseronto							18,000
30 Dundas							44,000
31 Dundalk							10,000
32 Dunnville							41,790
33 Durham							16,250
34 Dutton							10,000
35 Elora							4,500
36 Essex							15,000
37 Exeter							27,000
38 Fergus							8,000
39 Flesherton							30,000
40 Forest							35,000
41 Fort Frances							9,750
42 Gananoque							30,000
43 Georgetown							50,000
44 Glencoe							15,000
45 Gravenhurst							15,000
46 Grimsby							33,982
47 Hagersville							15,000
48 Haileybury							60,000
49 Harriston							16,000
50 Hawkesbury							18,000
51 Iroquois							15,000
52 Kemptville					33	33	15,000
53 Kenora							46,041
54 Kincardine				289		289	33,750
55 Kingsville							55,000
56 Leamington				126		126	30,000
57 Listowel							37,000

HIGH SCHOOLS (Continued)

EQUIPMENT, DESTINATION OF PUPILS, ETC. (Continued)

	Religious and other Exercises				Destination of Pupils							
	Schools in which Bible or Selections therefrom are used	Schools opened with Prayer	Schools closed with Prayer	Commencement Exercises	Commerce	Agriculture	Law, Medicine, Dentistry, or the Church	Teaching	The Trades	Other Occupations	Other High Schools or Coll. Institutes	Without Occupation
1	......	1	......	......	1	4	......	1	1	7	6	6
2	1	1	......	......	2	2	......	6	......	2	4	8
3	1	1	......	1	6	4	6	5	4	2	4	3
4	1	1	......	......	......	4	......	......	2	2	3	......
5	......	1	......	1	4	7	8	5	4	12	7	4
6	......	1	......	1	3	5	......	4	2	......	3	......
7	1	1	......	......	2	13	......	17	4	5	7	6
8	1	1	......	......	2	4	3	3	2	5	6	5
9	......	1	......	......	2	8	......	1	......	......	5	8
10	......	1	......	......	1	10	1	12	4	......	4	6
11	1	1	......	......	1	2	......	3	3	5	4	......
12	1	1	......	1	29	11	8	8	5	17	13	17
13	1	1	......	1	2	11	......	5	3	8	3	1
14	......	1	......	1	8	......	......	18	1	4	4	......
15	1	1	......	......	4	11	......	......	......	......	5	......
16	......	1	......	1	5	10	5	6	1	......	2	8
17	......	1	......	......	1	......	......	3	......	2	6	1
18	1	1	......	1	......	......	......	......	......	......	......	......
19	......	1	......	......	1	4	......	1	......	5	4	5
20	1	1	......	1	2	5	4	5	1	......	1	1
21	......	1	......	1	6	10	1	10	3	3	6	2
22	......	1	......	1	4	5	3	6	2	15	3	6
23	......	1	......	......	1	3	1	3	......	1	......	3
24	1	1	......	......	1	5	1	......	......	......	1	......
25	1	1	......	1	1	4	2	8	......	5	5	......
26	......	1	......	......	3	8	......	2	2	......	3	10
27	......	1	......	......	1	2	......	1	2	3	3	......
28	1	1	......	1	24	8	3	6	1	13	3	2
29	......	1	......	1	2	......	......	2	......	3	4	......
30	......	1	......	1	14	10	6	2	7	8	9	5
31	......	1	......	1	1	12	......	3	......	10	6	......
32	......	1	......	......	6	12	5	2	5	9	6	4
33	1	1	......	1	2	1	......	......	5	4	2	2
34	......	1	......	......	1	14	......	6	......	6	2	1
35	1	1	......	1	......	2	......	5	......	2	5	......
36	1	1	......	1	4	9	1	8	......	2	27	1
37	1	1	......	1	1	2	......	3	......	......	6	......
38	......	1	......	1	......	11	5	3	......	......	2	......
39	1	1	......	1	2	3	......	1	2	......	4	4
40	......	1	......	......	6	11	5	2	7	......	1	3
41	......	1	......	1	7	1	......	4	......	11	3	9
42	......	1	......	1	5	3	4	4	......	18	1	......
43	......	1	......	1	9	8	3	2	1	7	11	7
44	1	1	......	1	4	4	1	12	......	2	4	3
45	1	1	......	......	1	......	3	......	......	......	......	......
46	1	1	......	......	7	7	1	3	1	......	16	2
47	1	1	......	......	1	5	3	3	4	4	3	1
48	......	1	......	1	7	......	2	6	1	14	14	7
49	......	1	......	......	1	13	4	8	1	6	4	......
50	1	1	......	1	4	3	4	2	1	2	7	4
51	......	1	......	1	1	3	......	9	......	3	......	2
52	1	1	......	......	1	18	6	6	1	8	5	3
53	......	1	1	1	16	......	......	9	1	2	1	......
54	1	1	......	1	3	7	4	17	......	1	3	......
55	......	......	......	1	......	......	......	......	......	......	......	......
56	......	1	......	1	8	15	7	9	2	14	41	4
57	1	1	......	......	7	5	4	5	3	9	8	3

COLLEGIATE INSTITUTES AND

II. TABLE M—BOARD OF EDUCATION,

High Schools	Schools under Board of Education	Value of General					
		Library	Scientific Apparatus	Charts, Maps and Globes	Art Models	Typewriters	Biological Specimens
		$	$	$	$	$	$
58 Lucan	..	475	687	116	76	.....	102
59 Madoc	..	446	1,126	68	97	.....	105
60 Markdale	..	350	358	96	53	.....	50
61 Markham	..	477	787	299	77	.....	112
62 Meaford	..	762	1,375	110	77	590	144
63 Midland	1	694	974	165	88	95	122
64 Milton	..	329	441	43	42	.....	49
65 Mitchell	..	487	557	197	100	.....	101
66 Morewood	..	363	413	72	50	.....	53
67 Mount Forest	1	544	674	194	131	.....	102
68 Newburgh	1	622	466	59	73	.....	54
69 Newcastle	1	392	429	42	49	.....	54
70 Newmarket	..	585	699	186	91	815	122
71 Niagara	..	301	305	72	50	.....	70
72 Niagara Falls South	..	749	1,529	106	76	915	117
73 Norwich	..	351	412	68	33	.....	60
74 Norwood	1	477	587	110	56	.....	77
75 Oakville	1	689	927	261	77	390	110
76 Omemee	1	342	436	58	67	.....	50
77 Orangeville	..	908	1,117	247	75	565	99
78 Oshawa	1	1,026	1,887	385	83	1,492	194
79 Paris	1	294	818	105	78	252	111
80 Parkhill	1	642	876	65	86	.....	54
81 Parry Sound	1	440	651	94	65	.....	55
82 Pembroke	1	891	1,062	161	79	625	116
83 Penetanguishene	..	440	848	76	67	180	157
84 Petrolia	..	571	762	66	84	.....	77
85 Plantagenet	..	487	487	130	80	.....	92
86 Port Dover	1	578	501	113	52	.....	59
87 Port Elgin	..	290	499	113	70	100	42
88 Port Hope	..	817	1,019	152	76	630	100
89 Port Perry	1	496	781	60	70	.....	78
90 Port Rowan	1	404	529	54	89	.....	51
91 Prescott	1	496	938	112	97	150	101
92 Richmond Hill	1	507	708	222	76	.....	84
93 Ridgetown	..	840	1,267	145	60	300	74
94 Rockland	..	396	413	77	53	.....	66
95 Sault Ste. Marie	..	755	937	109	78	885	101
96 Shelburne	1	376	675	110	73	.....	63
97 Simcoe	1	646	1,043	126	97	150	141
98 Smithville	..	308	380	45	53	.....	65
99 Stirling	1	460	501	67	77	.....	102
100 Streetsville	..	382	472	89	49	150	51
101 Sudbury	..	820	2,255	97	89	1,690	99
102 Sydenham	..	530	723	95	76	.....	158
103 Thorold	..	313	697	125	48	180	40
104 Tillsonburg	..	508	1,022	203	79	100	104
105 Toronto, Davenport	1	570	1,181	56	42	121	21
106 Toronto, North	1	744	981	68	100	.....	180
107 Trenton	..	780	648	260	79	.....	67
108 Tweed	..	360	856	53	51	.....	68
109 Uxbridge	1	575	677	127	83	.....	123
110 Vienna	1	524	288	71	42	.....	59
111 Walkerton	..	571	1,044	111	100	508	103
112 Wallaceburg	1	548	678	68	127	200	108
113 Wardsville	1	334	444	57	51	.....	51
114 Waterdown	..	212	474	34	47	.....	42

HIGH SCHOOLS (Continued)

EQUIPMENT, DESTINATION OF PUPILS, ETC. (Continued)

	Equipment						Value of Manual Training Department Equipment			
	Equipment for Physical Culture	Gymnasium (not including equipment)	Museum	Aquarium, Herbarium, etc.	Pictures	Total Value of General Equipment	Woodwork	Woodturning	Forging	Machine Shop Practice
	$	$	$	$	$	$	$	$	$	$
58	140					1,596				
59	56				80	1,978				
60	125				39	1,071				
61	16				75	1,843				
62	441	1,404			435	5,338				
63	390		50	4	200	2,782				
64	26					930				
65	212	550			92	2,296				
66	18		1		37	1,007				
67	15				125	1,785				
68	16				50	1,340				
69	8				36	1,010				
70	184					2,682				
71	237	1,475				2,510				
72	466	7,500			200	11,658				
73	9					933				
74	32				51	1,390				
75	59					2,513				
76	30					983				
77	313	2,500				5,824				
78	207					5,274				
79	33				157	1,848				
80	17				110	1,850				
81	101			3	94	1,503				
82	40				188	3,162				
83	31		75	25	112	2,011				
84	43				100	1,703				
85	20					1,296				
86	90				32	1,425				
87	20				61	1,195				
88	41				500	3,335				
89	150				54	1,689				
90	167					1,294				
91	58				74	2,026				
92	19					1,616				
93	256	900	25	15	47	3,929				
94	9					1,014				
95	12				242	3,119	539	270	238	2,991
96	36				40	1,373				
97	47					2,250				
98	17				20	888				
99	20					1,227				
100	13				103	1,309				
101	570	2,500			40	8,160				
102	106				44	1,732				
103	22					1,425				
104	64				372	2,452				
105	82					2,073				
106	61				119	2,253				
107	46	2,500			192	4,572				
108	70				40	1,498				
109	30					1,615				
110	8				8	1,000				
111	24				120	2,581				
112	36				15	1,780				
113	5				18	960				
114	21					830				

COLLEGIATE INSTITUTES

II. TABLE M—BOARDS OF EDUCATION,

High Schools	Value of Household Science Department Equipment			Value of Agricultural Department Equipment	Value of Art Equipment (Middle School)	Total value of Special Equipment as per preceding nine columns	Value of School Sites, Buildings and Furniture
	Cookery, Sanitation and Hygiene	Handwork and Machine Sewing	Laundry Work				
	$	$	$	$	$	$	$
58 Lucan							22,000
59 Madoc							12,000
60 Markdale							14,000
61 Markham							20,000
62 Meaford							35,000
63 Midland							29,500
64 Milton							78,856
65 Mitchell							10,000
66 Morewood							11,999
67 Mount Forest							16,500
68 Newburgh					16	16	5,000
69 Newcastle							7,000
70 Newmarket							3,200
71 Niagara							6,000
72 Niagara Falls South	860	150		689		1,699	50,000
73 Norwich							50,000
74 Norwood							20,000
75 Oakville				603		603	25,000
76 Omemee							7,500
77 Orangeville							25,000
78 Oshawa							65,000
79 Paris							40,000
80 Parkhill							14,000
81 Parry Sound							30,000
82 Pembroke							35,000
83 Penetanguishene							25,000
84 Petrolia							6,000
85 Plantagenet							3,400
86 Port Dover							1,300
87 Port Elgin							10,000
88 Port Hope							60,000
89 Port Perry							70,000
90 Port Rowan							9,000
91 Prescott							20,142
92 Richmond Hill							17,000
93 Ridgetown							24,000
94 Rockland							20,000
95 Sault Ste. Marie	995	104				5,137	290,000
96 Shelburne							9,000
97 Simcoe							40,000
98 Smithville							10,000
99 Stirling							30,000
100 Streetsville							8,000
101 Sudbury							28,728
102 Sydenham							30,000
103 Thorold							13,000
104 Tillsonburg							30,000
105 Toronto, Davenport							
106 Toronto, North							235,000
107 Trenton							100,000
108 Tweed							35,000
109 Uxbridge							12,000
110 Vienna							1,250
111 Walkerton							40,000
112 Wallaceburg							35,000
113 Wardsville							5,000
114 Waterdown							2,000

AND HIGH SCHOOLS (Continued)

EQUIPMENT, DESTINATION OF PUPILS, ETC. (Continued)

	Religious and other Exercises				Destination of Pupils							
	Schools in which Bible or Selections therefrom are used	Schools opened with Prayer	Schools closed with Prayer	Commencement Exercises	Commerce	Agriculture	Law, Medicine, Dentistry, or the Church	Teaching	The Trades	Other Occupations	Other High Schools or Coll. Institutes	Without Occupation
58	......	1	......	......	4	6	......	6	......	2	7	......
59	1	1	......	1	1	8	......	4	1	8	3	4
60	......	1	......	1	......	1	......	......	2	1	......	......
61	......	1	......	1	3	13	3	5	1	4	3	5
62	......	1	......	......	8	4	4	8	4	14	4	......
63	......	1	......	......	3	1	5	2	3	9	6	......
64	1	1	......	......	1	6	......	1	2	3	5	2
65	1	1	......	1	3	4	1	9	3	8	4	......
66	1	1	......	1	1	4	......	6	......	......	......	1
67	1	1	......	1	6	7	3	10	......	......	6	......
68	1	1	......	1	1	5	......	4	......	4	3	......
69	1	1	......	......	......	......	2	......	2	......	2	......
70	1	1	......	1	39	39	1	9	1	3	13	2
71	1	1	......	......	2	......	1	1	......	......	8	3
72	......	1	......	1	18	3	4	1	2	6	14	......
73	1	1	......	1	3	5	......	2	2	......	3	2
74	1	1	......	1	1	11	......	7	......	4	9	2
75	1	1	......	1	17	12	......	4	4	7	5	2
76	......	1	......	1	......	10	1	6	......	1	7	......
77	......	1	......	1	3	......	6	10	......	16	7	6
78	......	1	......	1	31	5	3	6	8	8	6	6
79	1	1	1	1	1	4	2	......	3	9	1	2
80	1	1	......	......	4	17	......	4	......	8	1	......
81	1	1	......	1	3	......	1	7	3	13	3	20
82	......	1	......	1	8	8	3	2	8	19	5	7
83	......	1	......	......	......	......	......	......	......	12	4	2
84	1	1	......	1	11	......	1	6	8	13	6	1
85	......	1	......	......	......	2	......	......	......	7	5	1
86	1	1	......	......	2	1	......	1	......	2	10	......
87	1	1	......	......	......	5	2	5	1	5	4	2
88	1	1	......	1	10	2	2	2	......	13	2	2
89	......	1	......	1	8	12	1	......	1	3	4	1
90	1	1	1	1	......	......	1	1	......	......	......	......
91	......	1	......	1	1	6	1	4	2	8	2	5
92	......	1	......	1	7	6	1	1	1	2	4	......
93	1	1	......	......	4	7	2	17	1	......	......	......
94	......	1	......	......	2	......	......	6	......	......	1	1
95	......	1	......	1	16	1	6	8	......	31	3	16
96	1	1	......	1	1	1	......	5	2	1	6	2
97	......	1	......	1	5	11	3	9	2	1	7	3
98	1	1	......	1	......	3	......	2	4	5	6	3
99	......	1	......	......	......	12	......	2	......	1	4	1
100	1	1	......	1	2	1	......	2	......	1	4	1
101	1	1	......	1	18	......	4	2	......	16	16	9
102	1	1	......	1	5	11	......	10	......	5	7	4
103	1	1	......	1	2	2	......	1	9	6	2	......
104	......	1	......	......	6	3	2	5	......	5	8	12
105	1	1	......	1	9	......	......	......	3	7	21	8
106	1	1	......	1	16	......	4	2	4	12	10	12
107	1	1	......	1	10	4	5	2	2	5	4	5
108	1	1	......	1	8	2	2	5	3	2	5	2
109	......	1	......	1	3	11	2	12	......	4	17	5
110	1	1	......	......	1	3	......	......	......	......	3	6
111	1	1	......	......	4	9	......	8	2	9	4	1
112	......	1	......	1	5	3	......	3	2	10	3	8
113	......	1	......	......	1	1	......	2	......	......	4	1
114	......	1	......	......	2	11	1	1	......	......	8	......

COLLEGIATE INSTITUTES AND

II. TABLE M—BOARDS OF EDUCATION,

High Schools	Schools under Board of Education	Value of General					
		Library	Scientific Apparatus	Charts, Maps and Globes	Art Models	Typewriters	Biological Specimens
		$	$	$	$	$	$
115 Waterford	..	533	659	79	69	.....	53
116 Watford	1	604	1,076	165	109	.....	111
117 Welland	..	577	1,094	85	108	600	118
118 Weston	1	531	1,318	253	132	593	104
119 Whitby	1	647	1,719	42	92	435	114
120 Wiarton	..	645	658	75	2	50	65
121 Williamstown	..	466	693	78	80	50	102
122 Winchester	..	551	477	100	50	.....	62
123 Wingham	..	506	913	274	77	.....	127
1 Totals, High Schools	53	67,449	95,192	13,896	8,905	21,501	11,061
2 Totals, Coll. Institutes	35	68,620	99,123	11,161	6,041	39,525	12,401
3 Grand Totals, 1921	88	136,069	194,315	25,057	14,946	61,026	23,462
4 Grand Totals, 1920	85	134,330	187,384	24,149	14,924	57,794	23,042
5 Increases	3	1,739	6,931	908	22	3,232	420
6 Decreases	..	.....	.....	.....	.....	.....	.....
7 Percentages	..	15.70	22.43	2.89	1.72	7.04	2.70

COLLEGIATE INSTITUTES AND

II. TABLE M—BOARDS OF EDUCATION,

High Schools	Value of Household Science Department Equipment			Value of Agricultural Department Equipment	Value of Art Equipment (Middle School)	Total value of Special Equipment as per preceding nine columns	Value of School Sites, Buildings and Furniture
	Cookery, Sanitation and Hygiene	Handwork and Machine Sewing	Laundry Work				
	$	$	$	$	$	$	$
115 Waterford	....	....	.....	....	....	....	16,000
116 Watford	....	....	.....	....	....	....	15,000
117 Welland	....	....	.....	....	31	31	83,000
118 Weston	....	....	.....	....	....	....	75,000
119 Whitby	....	....	.....	640	....	884	50,000
120 Wiarton	....	....	.....	....	....	....	12,000
121 Williamstown	....	....	.....	258	....	258	15,000
122 Winchester	....	....	.....	702	....	702	19,000
123 Wingham	....	....	.....	284	....	284	35,000
1 Totals, High Schools	3,850	495	137	5,197	145	14,468	3,796,188
2 Totals, Coll. Institutes	23,166	1,371	151	1,480	940	60,854	5,773,497
3 Grand Totals, 1921	27,016	1,866	288	6,677	1,085	75,322	9,569,685
4 Grand Totals, 1920	23,246	1,674	1,772	5,847	1,397	73,705	8,814,764
5 Increases	3,770	192	.....	830	....	1,617	754,921
6 Decreases	....	....	1,484	....	312	....	....
7 Percentages	35.86	2.47	.38	8.86	1.44	....	....

HIGH SCHOOLS (Continued)

EQUIPMENT, DESTINATION OF PUPILS, ETC. (Continued)

	Equipment						Value of Manual Training Department Equipment			
	Equipment for Physical Culture	Gymnasium (not including equipment)	Museum	Aquarium, Herbarium, etc.	Pictures	Total Value of General Equipment	Woodwork	Woodturning	Forging	Machine Shop Practice
	$	$	$	$	$	$	$	$	$	$
115	61	....	......	......	46	1,500	......	......	......	......
116	145	....	......	......	117	2,327	......	......	......	......
117	210	8,000	......	......	......	10,792	......	......	......	......
118	103	....	......	......	150	3,184	......	......	......	......
119	74	....	......	......	150	3,273	165	......	79	......
120	25	....	......	......	157	1,677	......	......	......	......
121	117	200	......	......	122	1,908	......	......	......	......
122	45	....	......	......	......	1,285	......	......	......	......
123	177	....	......	......	80	2,154	......	......	......	......
1	10,678	50,983	362	102	10,144	290,273	1,066	270	317	2,991
2	22,459	294,462	3,350	531	18,366	576,039	22,927	4,299	2,263	4,257
3	33,137	345,445	3,712	633	28,510	866,312	23,993	4,569	2,580	7,248
4	32,187	323,494	6,051	1,383	29,483	834,221	21,730	7,764	2,666	7,609
5	950	21,951	......	......	......	32,091	2,263	......	......	......
6	......	....	2,339	750	973	....	......	3,195	86	361
7	3.82	39.87	.42	.07	3.28	.....	31.85	6.06	3.42	9.62

HIGH SCHOOLS (Continued)

EQUIPMENT, DESTINATION OF PUPILS, ETC. (Concluded)

	Religious and other Exercises				Destination of Pupils							
	Schools in which Bible or Selections therefrom are used	Schools opened with Prayer	Schools closed with Prayer	Commencement Exercises	Commerce	Agriculture	Law, Medicine, Dentistry, or the Church	Teaching	The Trades	Other Occupations	Other High Schools or Coll. Institutes	Without Occupation
115	1	1	......	......	7	4	......	1	1	......	5	8
116	......	1	......	......	2	7	......	4	......	1	1	1
117	1	1	......	1	36	10	4	8	4	2	14	2
118	1	1	......	......	7	6	4	......	......	20	13	9
119	......	1	......	1	......	6	......	3	1	3	9	2
120	1	1	......	1	1	3	2	6	......	5	2	9
121	......	1	......	1	8	9	5	3	......	2	2	2
122	......	1	......	......	3	12	7	4	......	......	2	5
123	1	1	......	1	4	3	......	4	1	1	1	7
1	65	118	3	76	626	702	216	546	192	618	662	389
2	30	47	......	42	1,496	384	471	534	422	810	859	781
3	95	165	3	118	2,122	1,086	687	1,080	614	1,428	1,521	1,170
4	97	168	3	112	3,417	1,322	692	1,131	787	1,807	1,632	1,319
5	......	......	......	6	......	......	......	......	......	......	......	......
6	2	3	......	......	1,295	236	5	51	173	379	111	149
7	55.88	97.05	1.76	69.41	21.85	11.18	7.07	11.12	6.32	14.70	15.66	12.05

COLLEGIATE INSTITUTES AND

III. TABLE N—ATTENDANCE, PUPILS IN THE SCHOOLS

Collegiate Institutes	Attendance					Number of Pupils in—				Number Pupils	
	Number of Pupils on the Roll for the Year	Boys	Girls	Average Daily Attendance	Number Admitted for the First Time to a Secondary School	Lower School, Form I	Lower School, Form II	Middle School	Upper School	Municipalities Forming High School District	Other Municipalities within the County or Territorial District
1 Barrie	309	150	159	275	115	123	87	60	39	192	115
2 Brantford	835	397	438	751	360	394	215	186	40	663	159
3 Brockville	353	156	197	310	144	145	104	85	19	257	96
4 Chatham	380	164	216	325	129	173	123	55	29	258	117
5 Clinton	190	80	110	175	50	59	44	69	18	92	98
6 Cobourg	175	77	98	156	69	75	52	33	15	117	58
7 Collingwood	257	100	157	222	69	75	84	58	40	195	53
8 Fort William	438	193	245	394	179	222	117	91	8	410	24
9 Galt	511	237	274	462	194	222	149	106	34	252	209
10 Goderich	183	72	111	151	52	65	53	52	13	117	65
11 Guelph	471	223	248	353	144	192	133	114	32	382	77
12 Hamilton	1,094	562	532	1,043	476	468	289	258	79	972	88
13 Ingersoll	236	107	129	200	84	94	68	59	15	146	74
14 Kingston	663	321	342	572	215	238	162	241	22	532	120
15 Kitchnr.-Waterloo	388	184	204	341	167	167	101	103	17	335	52
16 Lindsay	386	198	188	346	148	178	89	97	22	208	148
17 London	1,025	513	512	907	263	335	333	278	79	904	108
18 Morrisburg	143	59	84	115	40	51	45	36	11	66	73
19 Napanee	234	78	156	196	87	97	60	55	22	115	117
20 Niagara Falls	209	117	92	172	64	68	46	78	17	161	22
21 North Bay	292	145	147	256	98	116	92	72	12	269	9
22 Orillia	333	145	188	298	120	133	100	80	20	229	66
23 Ottawa	1,396	819	577	1,133	476	525	393	409	69	1,306	62
24 Owen Sound	456	194	262	405	173	182	129	117	28	341	105
25 Perth	216	89	127	185	71	86	55	62	13	129	83
26 Peterborough	503	241	262	445	183	221	147	103	32	403	86
27 Picton	241	108	133	200	87	104	74	48	15	114	124
28 Port Arthur	333	137	196	296	156	187	98	44	4	328	.....
29 Renfrew	331	129	202	302	130	125	130	57	19	156	172
30 St. Catharines	629	299	330	544	206	291	176	119	43	446	177
31 St. Mary's	247	108	139	219	101	114	60	59	14	142	63
32 St. Thomas	691	317	374	657	275	279	245	127	40	520	152
33 Sarnia	549	249	300	490	173	196	167	164	22	456	93
34 Seaforth	231	101	130	198	76	71	64	64	32	90	134
35 Smith's Falls	339	134	205	284	132	152	97	71	19	237	35
36 Stratford	545	270	275	495	194	246	174	79	46	441	69
37 Strathroy	201	93	108	180	58	63	47	67	24	94	107
38 Toronto, Harbord	759	430	329	671	286	298	180	224	57	754	.....
39 " Humberside	757	391	366	657	315	322	207	187	41	739	15
40 " Jarvis	691	421	270	569	388	258	162	213	58	688	1
41 " Malvern	467	245	222	399	201	203	146	100	18	380	87
42 " Oakwood	1,057	537	520	973	359	368	275	350	64	1,025	30
43 " Parkdale	734	369	365	640	248	260	210	231	33	722	8
44 " Riverdale	778	415	363	703	330	337	222	189	30	758	6
45 Vankleek Hill	166	62	104	142	50	63	63	29	11	58	83
46 Windsor	828	387	441	778	349	345	317	150	16	621	207
47 Woodstock	484	221	263	409	174	184	151	108	41	258	205
Totals	22,734	11,044	11,690	19,994	8,458	9,170	6,535	5,637	1,392	18,078	4,052

HIGH SCHOOLS (Continued)

AND IN THE VARIOUS SUBJECTS, ETC.

	of from—	Number of Pupils from Families whose Head is occupied as below—								Number of Pupils in the Various Subjects					
	Other Counties or Districts	Commerce	Agriculture	Law, Medicine, Dentistry, or the Church	Teaching	The Trades	Labouring Occupations	Other Occupations	Without Occupation	English Grammar	English Composition and Rhetoric	English Literature	Canadian History	British History	Ancient History
1	2	40	98	14	....	45	65	29	18	159	309	306	123	60	96
2	13	203	110	60	5	132	108	150	67	274	830	830	394	157	58
3	.....	66	87	11	5	74	44	56	10	84	346	353	142	79	40
4	5	44	125	7	4	87	82	15	16	128	362	362	209	216	53
5	.....	30	95	14	1	26	15	8	1	44	182	182	59	122	69
6	.....	11	53	5	2	50	6	28	20	96	170	170	75	34	14
7	9	92	56	23	....	41	14	19	12	170	250	240	71	58	58
8	4	147	28	6	2	76	43	124	12	40	436	432	.....	104	72
9	50	146	84	19	11	177	31	41	2	129	493	493	222	141	69
10	1	36	68	18	2	40	11	7	1	72	180	180	77	52	52
11	12	109	76	12	14	91	33	115	21	124	416	424	186	110	96
12	34	439	69	73	18	314	62	57	62	62	1,047	1,047	457	233	233
13	16	51	80	5	2	46	30	8	14	69	236	236	94	34	25
14	11	130	118	46	31	141	58	125	14	400	659	659	238	240	73
15	1	183	35	39	9	93	.....	.....	29	238	384	380	167	360	68
16	30	87	143	15	4	35	42	50	10	62	352	352	178	104	33
17	13	492	115	77	14	265	32	15	15	668	997	997	335	278	143
18	4	19	70	6	....	31	5	12	....	123	130	128	48	31	15
19	2	40	114	5	2	31	16	16	10	109	232	232	100	55	26
20	26	42	31	12	1	43	45	23	12	9	209	209	68	78	26
21	14	92	12	3	8	93	2	74	8	207	290	288	65	90	27
22	38	105	81	21	6	80	26	12	2	112	321	322	133	157	78
23	28	377	77	94	47	308	71	388	34	40	1,375	1,374	525	801	118
24	10	126	110	20	7	88	51	35	19	70	440	440	224	111	70
25	4	17	87	5	4	30	31	22	20	22	215	215	119	39	59
26	14	94	54	17	7	157	54	79	41	249	482	482	251	102	102
27	3	26	115	6	1	28	17	20	28	81	227	228	105	62	48
28	5	76	13	8	7	79	60	83	7	123	333	333	181	78	16
29	3	76	116	18	4	84	23	10	....	28	330	330	125	187	57
30	6	113	60	27	6	198	50	145	30	186	617	617	323	151	98
31	42	34	109	8	4	39	28	14	11	60	247	247	114	59	59
32	19	271	163	14	6	198	19	20	....	87	680	675	437	246	78
33	.....	82	68	23	4	105	160	70	37	234	549	549	199	147	64
34	7	12	141	6	8	3	42	12	7	69	219	219	69	66	66
35	67	62	96	10	....	56	24	90	1	224	330	330	152	68	20
36	35	82	106	15	11	92	109	96	34	205	500	539	246	79	42
37	.....	25	118	8	3	14	20	7	6	47	187	190	59	26	63
38	5	369	15	59	13	164	23	94	22	478	757	757	298	224	107
39	3	313	12	22	16	178	47	90	79	205	755	755	321	508	72
40	2	283	12	39	14	182	7	103	51	25	680	680	400	349	91
41	.....	149	27	27	9	174	12	23	46	132	467	467	200	95	44
42	2	419	26	70	36	273	31	189	13	225	1,048	1,048	366	348	145
43	4	278	8	31	7	248	17	134	11	22	729	729	260	441	109
44	14	190	6	39	15	268	18	174	68	225	778	778	337	189	189
45	25	26	105	7	....	15	7	4	2	37	166	166	63	53	27
46	.....	285	23	34	4	261	89	113	19	15	820	820	345	185	150
47	21	56	176	23	2	129	84	8	6	118	484	484	253	39	39
	604	6,445	3,591	1,121	376	5,382	1,864	3,007	948	6,586	22,246	22,274	9,413	7,446	3,357

COLLEGIATE INSTITUTES AND

III. TABLE N—ATTENDANCE, PUPILS IN THE SCHOOLS,

Collegiate Institutes	Number of Pupils in the Various Subjects (Continued)										
	Modern History	Geography	Physiography	Arithmetic and Mensuration	Algebra	Geometry	Trigonometry	French	Spanish	German	Latin
1 Barrie	28	123	71	52	300	150	25	195	...	10	275
2 Brantford	15	274	166	334	456	353	19	555	...	26	590
3 Brockville	12	166	81	129	200	171	9	332	...	20	257
4 Chatham	15	209	85	298	369	155	15	255	...	8	238
5 Clinton	12	69	44	44	184	119	6	128	...	13	129
6 Cobourg	7	51	26	71	123	71	10	108	...	6	108
7 Collingwood	21	95	60	84	191	152	26	116	...	8	200
8 Fort William	3	58	281	298	386	164	3	315	...	.....	214
9 Galt	20	257	98	218	404	200	26	338	3	26	335
10 Goderich	11	65	35	112	129	98	11	122	...	8	112
11 Guelph	16	206	99	145	395	233	10	375	...	28	373
12 Hamilton	62	......	256	524	746	595	60	923	43	22	848
13 Ingersoll	4	128	60	72	233	99	12	167	...	4	156
14 Kingston	4	......	132	242	416	277	17	655	...	7	521
15 Kitchener-Waterloo	4	72	230	173	294	283	12	286	...	37	234
16 Lindsay	4	134	120	117	334	136	19	303	...	.....	270
17 London	37	335	333	333	993	659	40	617	...	53	935
18 Morrisburg	9	48	40	30	84	74	9	80	...	.....	64
19 Napanee	12	56	32	78	147	101	15	185	...	5	166
20 Niagara Falls	10	68	46	9	182	86	6	158	...	5	201
21 North Bay	5	95	146	108	288	147	9	264	...	7	199
22 Orillia	9	195	79	130	291	175	18	289	...	14	239
23 Ottawa	34	244	422	454	1,372	843	78	1,353	35	67	1,079
24 Owen Sound	17	173	72	169	209	341	22	401	...	.....	292
25 Perth	8	93	48	60	68	119	9	209	...	8	184
26 Peterborough	6	251	93	170	286	221	26	305	...	5	363
27 Picton	10	108	49	96	196	105	12	194	...	.....	127
28 Port Arthur	....	215	64	157	211	160	4	238	...	13	235
29 Renfrew	14	134	38	243	302	73	15	246	...	.....	238
30 St. Catharines	16	292	145	246	291	272	28	536	...	58	440
31 St. Mary's	7	114	59	59	188	133	6	177	...	18	182
32 St. Thomas	16	369	168	239	461	294	14	490	...	32	459
33 Sarnia	5	249	114	152	525	283	20	429	55	3	404
34 Seaforth	32	69	64	64	220	155	20	171	...	12	170
35 Smith's Falls	12	167	70	92	313	119	10	278	...	13	250
36 Stratford	20	246	135	236	337	249	31	477	...	11	321
37 Strathroy	22	59	47	57	130	133	18	159	...	.....	164
38 Toronto, Harbord	27	298	180	279	574	338	32	753	...	156	717
39 " Humberside	13	321	205	207	752	433	33	710	...	106	628
40 " Jarvis	16	264	158	25	672	289	45	640	...	110	620
41 " Malvern	5	200	132	132	313	242	15	433	...	22	398
42 " Oakwood	35	181	274	231	1,052	481	47	1,052	...	143	1,040
43 " Parkdale	6	260	210	210	694	343	24	670	...	98	633
44 " Riverdale	11	337	222	222	554	554	28	770	...	88	754
45 Vankleek Hill	9	63	65	64	162	98	9	89	...	6	144
46 Windsor	2	465	197	135	592	359	12	732	...	16	531
47 Woodstock	27	184	123	146	403	203	23	261	...	20	376
Totals	690	8,060	5,874	7,746	18,022	11,338	958	8,539	136	1,312	17,413

HIGH SCHOOLS (Continued)

AND IN THE VARIOUS SUBJECTS, ETC. (Continued)

	Number of Pupils in the Various Subjects (Continued)										Special Courses				
	Greek	Zoology	Botany	Chemistry	Physics	Bookkeeping	Stenography	Typewriting	Art	Physical Culture	Commercial	Agriculture	Manual Training	Household Science	Art (Middle School)
1	7	138	50	75	72	....	....	....	36	306	28	....	....	....	....
2	5	167	274	148	148	197	197	197	46	820	197	....	294	315	....
3	7	29	62	38	75	53	50	53	114	352	....	71	....	....	....
4	5	92	227	57	57	73	51	62	52	380	77	....	97	114	12
5	....	48	74	73	72	....	....	....	121	190	....	31	....	....	....
6	....	12	40	40	38	35	30	41	14	170	....	36	....	54	....
7	2	74	138	72	68	34	34	34	80	256	34	....	29	46	....
8	....	41	169	105	26	118	118	118	168	436	118	....	135	172	....
9	2	58	153	81	120	125	128	133	151	504	128	....	143	158	9
10	....	61	61	32	58	27	35	20	21	163	32	....	....	....	....
11	5	45	205	115	60	58	59	67	181	436	62	....	....	....	....
12	....	254	558	128	248	....	....	....	149	918	....	....	255	281	....
13	3	22	67	31	59	30	35	35	67	232	36	....	68	81	....
14	5	41	227	121	91	110	110	110	118	618	110	....	....	....	....
15	4	20	75	68	93	77	96	96	90	380	96	....	135	168	....
16	6	31	122	74	76	40	37	40	100	380	....	....	....	....	....
17	30	95	285	301	297	....	....	....	70	1,020	....	....	170	163	....
18	4	26	78	26	20	11	14	10	30	138	....	....	....	....	....
19	5	15	54	54	55	....	....	....	15	234	45	....	....	....	....
20	....	28	28	75	30	....	....	....	23	209	....	....	30	29	....
21	....	24	54	38	73	66	67	67	55	288	67	....	....	....	....
22	....	58	137	80	40	54	54	54	138	320	54	....	....	....	....
23	16	96	188	158	375	67	....	....	536	1,386	....	....	....	....	143
24	....	79	206	114	76	99	99	99	305	435	99	....	248	240	25
25	9	48	100	68	44	20	18	22	101	212	22	....	....	....	....
26	....	29	186	95	95	96	114	114	45	387	116	....	126	91	....
27	....	50	122	22	29	53	39	53	87	237	56	....	....	....	....
28	....	23	143	41	44	91	93	93	143	333	93	....	116	106	....
29	6	12	12	46	45	50	50	50	32	325	....	....	....	....	....
30	3	132	126	112	110	113	108	52	83	628	114	....	....	....	....
31	5	34	148	24	43	20	....	....	77	247	....	....	....	....	....
32	....	106	106	126	186	172	172	94	286	685	172	217	37	119	....
33	2	38	111	68	286	112	119	119	35	528	....	....	....	....	....
34	....	91	145	78	86	....	....	....	135	231	....	....	....	....	....
35	....	75	211	28	72	31	36	36	57	328	36	....	....	....	....
36	....	68	235	89	99	95	95	95	61	535	6	....	125	121	....
37	....	101	54	35	71	12	11	18	97	201	13	....	....	....	....
38	21	44	86	219	220	252	....	....	296	739	....	....	....	....	....
39	10	37	153	165	157	134	....	....	209	736	....	....	....	....	....
40	6	45	306	93	200	168	....	....	110	680	....	....	....	....	....
41	....	82	225	95	89	75	....	....	211	466	....	....	20	13	....
42	24	57	140	213	310	134	....	....	252	1,051	....	....	272	214	....
43	3	37	240	102	189	116	....	....	155	718	....	....	....	....	....
44	8	96	239	169	186	147	....	....	284	770	....	....	559	559	....
45	....	61	122	24	25	....	11	5	123	164	....	....	....	....	....
46	1	25	41	142	67	215	215	120	85	800	....	....	238	237	....
47	8	95	246	51	112	60	58	58	199	480	61	....	153	154	....
	212	2,940	7,029	4,209	5,092	3,440	2,353	2,165	5,843	22,052	1,872	355	3,250	3,435	189

COLLEGIATE INSTITUTES AND

III. TABLE N—ATTENDANCE, PUPILS IN THE SCHOOLS

High Schools	Attendance					Number of Pupils in—				Number of Pupils from—	
	Number of Pupils on the Roll for the Year	Boys	Girls	Average Daily Attendance	Number Admitted for the First Time to a Secondary School	Lower School, Form I	Lower School, Form II	Middle School	Upper School	Municipalities Forming High School District	Other Municipalities within the County or Territorial District
1 Alexandria...	127	47	80	106	41	70	32	25	.....	122	3
2 Alliston......	112	34	78	98	50	49	34	29	.....	41	58
3 Almonte.....	129	49	80	111	61	72	28	17	12	73	54
4 Amherstburg.	67	25	42	57	18	30	13	24	.....	44	23
5 Arnprior.....	234	91	143	209	75	91	71	72	.....	139	63
6 Arthur......	114	44	70	104	49	52	30	24	8	48	66
7 Athens......	148	64	84	134	46	47	45	49	7	69	78
8 Aurora......	160	71	89	138	66	71	39	37	13	83	77
9 Avonmore....	52	18	34	48	14	17	19	16	.....	42	9
10 Aylmer......	131	54	77	109	48	55	31	34	11	50	81
11 Beamsville...	136	62	74	121	49	50	30	34	22	37	95
12 Belleville.....	391	170	221	353	155	148	117	102	24	290	85
13 Bowmanville.	167	63	104	147	56	61	42	45	19	89	76
14 Bracebridge..	114	55	59	86	41	41	54	19	.....	84	30
15 Bradford.....	80	37	43	67	31	34	25	21	.....	22	55
16 Brampton....	202	89	113	174	70	70	50	70	12	104	87
17 Brighton.....	98	33	65	78	30	32	38	28	.....	47	49
18 Burford......	67	23	44	54	36	36	19	11	1	67	.....
19 Burlington...	84	39	45	67	37	39	29	16	.....	50	30
20 Caledonia....	147	53	94	137	51	65	36	37	9	47	58
21 Campbellford.	172	72	100	141	51	40	48	58	26	86	77
22 Carleton Place	192	78	114	171	80	90	56	46	.....	116	51
23 Cayuga......	80	28	52	72	26	31	26	12	11	41	39
24 Chatsworth...	46	19	27	37	23	24	14	8	.....	44	1
25 Chesley......	137	70	67	120	51	47	29	43	18	73	49
26 Chesterville..	98	45	53	75	26	29	39	30	.....	37	54
27 Colborne.....	76	29	47	69	26	26	26	24	.....	34	42
28 Cornwall.....	343	132	211	294	116	122	112	85	24	171	135
29 Deseronto....	66	29	37	59	31	31	17	18	.....	48	15
30 Dundalk.....	81	28	53	63	35	35	20	20	6	33	28
31 Dundas......	160	79	81	141	63	67	57	24	12	107	50
32 Dunnville....	125	54	71	111	43	38	30	50	7	69	52
33 Durham.....	129	41	88	107	40	40	57	27	5	61	68
34 Dutton......	128	53	75	108	35	46	33	27	22	29	97
35 Elora........	58	21	37	51	25	24	16	18	.....	25	33
36 Essex........	113	38	75	95	35	36	43	25	9	48	65
37 Exeter.......	122	59	63	109	41	44	35	35	8	50	65
38 Fergus.......	145	72	73	136	56	56	38	38	13	64	67
39 Flesherton...	64	19	45	59	19	19	21	24	.....	53	11
40 Forest.......	120	50	70	100	44	49	23	35	13	45	75
41 Fort Frances .	117	38	79	108	54	62	33	22	.....	116	.....
42 Gananoque...	150	67	83	126	61	62	52	32	4	99	38
43 Georgetown..	125	57	68	101	33	47	39	26	13	55	48
44 Glencoe......	94	42	52	82	48	46	24	24	.....	37	52
45 Gravenhurst..	50	22	28	41	17	17	15	12	6	37	12
46 Grimsby.....	129	65	64	100	36	50	29	50	.....	57	42
47 Hagersville...	134	59	75	110	45	54	31	42	7	54	80
48 Haileybury...	150	71	79	126	67	77	41	26	6	74	75
49 Harriston....	132	69	63	108	44	39	45	34	14	56	39
50 Hawkesbury..	91	37	54	69	15	24	42	21	4	54	25
51 Iroquois.....	112	42	70	104	32	29	39	38	6	36	73
52 Kemptville...	142	56	86	128	51	62	32	38	10	45	69
53 Kenora......	157	71	86	129	65	77	47	27	6	152	5
54 Kincardine...	184	88	96	163	69	78	46	34	26	87	97
55 Kingsville....	102	53	49	85	41	42	28	28	4	61	41
56 Leamington..	225	104	121	189	82	97	63	49	16	126	91
57 Listowel.....	164	84	80	139	57	63	46	33	22	80	66

HIGH SCHOOLS (Continued)

AND IN THE VARIOUS SUBJECTS, ETC. (Continued)

		Number of Pupils from Families whose Head is occupied as below—								Number of Pupils in the Various Subjects					
	Other Counties or Districts	Commerce	Agriculture	Law, Medicine, Dentistry, or the Church	Teaching	The Trades	Labouring Occupations	Other Occupations	Without Occupation	English Grammar	English Composition and Rhetoric	English Literature	Canadian History	British History	Ancient History
1	2	11	80	9	1	6	6	14	....	32	127	127	70	20	25
2	13	17	56	2	2	11	12	4	8	38	106	109	49	26	26
3	2	21	64	1	3	20	10	7	3	100	128	125	72	15	14
4	....	18	24	2	2	12	7	1	1	11	63	65	30	24	23
5	32	59	64	11	....	53	32	13	2	157	228	230	91	66	27
6	....	5	63	1	....	13	13	14	5	79	111	111	50	21	21
7	1	15	92	5	2	12	11	10	1	90	148	148	47	49	46
8	....	23	64	12	3	14	18	14	12	110	158	160	71	35	36
9	1	5	40	2	....	5	....	....	....	17	52	52	17	8	10
10	....	10	80	4	....	21	10	6	....	31	120	120	55	16	22
11	4	10	74	11	4	5	13	19	....	31	136	136	50	35	35
12	16	98	84	22	3	148	12	24	....	230	374	375	174	85	31
13	2	34	73	8	1	14	22	5	10	36	162	162	59	44	44
14	....	....	30	2	2	34	28	18	....	78	109	108	41	34	15
15	3	10	50	6	2	1	2	6	3	25	80	80	34	20	20
16	11	27	85	10	....	22	15	31	12	50	197	200	70	70	28
17	2	9	38	9	3	7	1	18	13	54	96	96	32	27	28
18	....	4	53	2	....	4	1	2	1	19	66	66	54	11	10
19	4	9	40	4	1	12	12	2	4	29	84	84	39	16	16
20	42	40	49	8	3	15	20	7	5	101	147	147	65	37	32
21	9	41	70	6	....	31	16	5	3	101	166	164	59	59	28
22	25	37	70	6	1	47	29	....	2	52	184	190	90	43	23
23	....	12	45	3	3	5	7	4	1	26	80	79	31	12	12
24	1	3	35	....	1	2	2	2	1	13	42	46	24	8	6
25	15	23	53	7	....	36	5	12	1	79	126	126	....	39	37
26	7	18	65	....	....	10	3	....	2	68	98	98	29	68	29
27	....	11	31	3	....	15	10	4	2	55	72	74	28	19	17
28	37	48	90	16	3	106	22	57	1	186	322	324	129	100	43
29	3	6	7	3	....	4	8	12	26	48	66	66	31	18	18
30	20	10	39	10	2	8	12	....	....	25	75	79	35	15	16
31	3	24	52	8	....	32	22	12	10	18	158	158	74	22	22
32	4	20	54	5	....	11	16	17	2	67	53	125	40	42	14
33	....	25	52	....	1	35	14	2	....	87	129	129	40	27	25
34	2	6	83	4	....	19	5	11	....	33	117	121	46	23	22
35	....	5	29	2	....	9	7	6	....	16	58	58	24	17	17
36	....	23	59	5	1	9	12	4	....	79	110	110	36	22	22
37	7	19	71	4	3	15	3	3	4	34	117	117	44	35	31
38	14	8	81	7	1	21	6	16	5	94	143	143	56	27	24
39	....	4	47	....	....	3	6	1	3	39	64	64	20	21	22
40	....	14	71	7	....	3	11	2	12	72	120	120	49	58	34
41	1	22	35	6	2	18	24	9	1	71	115	117	57	20	19
42	13	32	57	1	1	53	5	....	1	98	150	150	90	32	32
43	22	29	48	8	2	18	15	3	2	6	121	121	47	24	24
44	5	16	61	1	....	4	6	5	1	24	94	94	46	20	20
45	1	13	8	2	....	11	12	4	....	20	50	50	17	12	9
46	30	37	53	3	....	22	4	....	10	50	129	129	52	45	46
47	....	7	93	7	1	15	4	4	3	85	130	134	85	40	40
48	1	13	10	5	5	50	38	27	2	53	149	149	77	21	5
49	37	20	69	8	3	10	10	4	8	43	125	129	84	26	25
50	12	6	29	7	....	27	13	4	5	40	88	90	23	21	8
51	3	12	79	6	....	6	5	2	2	31	110	110	30	28	29
52	28	19	86	4	....	17	5	9	2	94	140	139	62	37	13
53	....	21	4	6	2	23	65	34	2	10	157	157	....	66	22
54	....	45	89	8	....	12	19	....	11	124	182	183	78	34	34
55	....	29	46	1	2	13	2	9	....	28	101	95	42	14	11
56	8	44	116	4	1	30	6	19	5	158	213	214	97	32	37
57	18	30	74	9	1	21	22	4	3	43	156	156	63	31	22

COLLEGIATE INSTITUTES AND

III. TABLE N—ATTENDANCE, PUPILS IN THE SCHOOLS

High Schools	Number of Pupils in the Various Subjects (Continued)											
	Modern History	Geography	Physiography	Arithmetic and Mensuration	Algebra	Geometry	Trigonometry	French	Spanish	German	Latin	Greek
1 Alexandria	.....	70	32	32	127	57	.....	127	...	.....	127	...
2 Alliston	.....	49	82	38	74	69	.....	92	...	.....	84	...
3 Almonte	6	100	28	100	121	20	6	105	...	.....	105	...
4 Amherstburg	.....	18	12	43	47	26	.....	49	...	.....	34	...
5 Arnprior	2	155	67	66	230	131	.....	222	...	17	210	...
6 Arthur	2	50	30	29	112	62	8	36	...	2	43	...
7 Athens	8	47	45	50	103	101	6	77	...	.....	98	...
8 Aurora	7	71	39	39	111	75	13	152	...	.....	150	...
9 Avonmore	.....	17	18	25	45	34	.....	34	...	.....	32	...
10 Aylmer	10	55	31	86	108	57	9	74	...	.....	85	...
11 Beamsville	6	......	31	81	52	52	11	116	...	.....	116	4
12 Belleville	13	173	81	153	382	80	9	187	...	3	293	1
13 Bowmanville	10	59	42	37	149	98	13	136	...	.....	120	...
14 Bracebridge	.....	41	54	37	112	72	.....	47	...	.....	90	...
15 Bradford	.....	34	24	59	49	46	.....	72	...	.....	72	...
16 Brampton	4	70	120	50	150	90	8	185	...	3	191	3
17 Brighton	.....	26	21	28	60	59	.....	31	...	.....	67	...
18 Burford	.....	36	19	20	67	31	1	51	...	.....	52	...
19 Burlington	.....	39	29	29	65	42	.....	68	...	.....	75	...
20 Caledonia	8	61	35	64	79	104	8	120	...	.....	115	...
21 Campbellford	11	59	41	46	137	109	18	142	...	.....	146	...
22 Carleton Place	.....	90	56	54	132	73	.....	180	...	.....	182	...
23 Cayuga	6	31	26	57	80	48	11	7	...	.....	67	...
24 Chatsworth	.....	24	14	14	21	45	.....	40	...	.....	41	...
25 Chesley	8	......	77	77	125	74	10	122	...	1	117	...
26 Chesterville	.....	29	39	39	59	69	.....	83	...	.....	85	...
27 Colborne	.....	26	27	27	76	50	.....	62	...	.....	53	...
28 Cornwall	15	148	88	138	236	191	19	238	...	2	216	...
29 Deseronto	.....	31	17	17	49	35	.....	59	...	.....	......	...
30 Dundalk	5	35	19	22	78	25	.....	64	...	.....	62	...
31 Dundas	8	87	37	124	125	69	8	120	...	18	99	...
32 Dunnville	6	40	31	16	119	50	4	64	...	.....	77	17
33 Durham	.....	40	47	62	67	31	.....	60	...	1	60	...
34 Dutton	5	46	33	33	65	67	15	66	...	.....	67	...
35 Elora	.....	24	16	16	58	33	.....	46	...	.....	46	...
36 Essex	6	36	41	43	6	6	4	94	...	3	90	...
37 Exeter	6	44	35	38	118	114	8	103	...	.....	92	...
38 Fergus	3	56	35	42	141	89	12	122	...	.....	126	...
39 Flesherton	.....	20	21	20	61	21	.....	36	...	.....	36	...
40 Forest	13	49	23	23	93	70	5	90	...	.....	93	...
41 Fort Frances	.....	57	33	36	19	20	.....	70	...	.....	72	...
42 Gananoque	3	77	47	52	150	72	5	119	...	.....	82	...
43 Georgetown	5	39	39	38	109	64	4	82	...	.....	84	1
44 Glencoe	.....	46	26	26	92	49	.....	71	...	.....	71	...
45 Gravenhurst	1	17	13	11	46	21	2	15	...	.....	29	...
46 Grimsby	.....	......	28	30	120	70	.....	119	...	.....	110	...
47 Hagersville	3	85	31	85	132	76	6	111	...	.....	96	...
48 Haileybury	2	77	41	73	124	65	3	118	...	.....	97	...
49 Harriston	4	40	40	45	126	90	10	95	...	4	101	...
50 Hawkesbury	2	22	36	68	67	46	4	80	...	.....	61	...
51 Iroquois	6	30	38	44	103	57	5	61	...	3	54	...
52 Kemptville	3	59	32	32	94	32	5	105	...	.....	87	2
53 Kenora	.....	38	85	97	141	60	5	105	...	.....	101	1
54 Kincardine	25	78	46	45	182	102	8	144	...	.....	146	...
55 Kingsville	4	42	28	70	102	57	4	88	...	5	87	...
56 Leamington	7	97	44	65	221	114	15	206	...	3	167	...
57 Listowel	16	63	46	42	153	96	15	143	...	.....	132	...

HIGH SCHOOLS (Continued)

AND IN THE VARIOUS SUBJECTS, ETC. (Continued)

	Number of Pupils in the Various Subjects (Continued)									Special Courses				
	Zoology	Botany	Chemistry	Physics	Bookkeeping	Stenography	Typewriting	Art	Physical Culture	Commercial	Agriculture	Manual Training	Household Science	Art (Middle School)
1	32	102	25	25	.....	.....	.....	102	127	.....	.....	.....	.....	....
2	48	82	27	28	.....	.....	.....	75	110	.....	.....	.....	.....	....
3	28	28	17	23	.....	.....	.....	25	129	.....	72	.....	.....	....
4	12	27	21	22	12	12	12	7	67	12	.....	.....	.....	....
5	66	160	66	66	.....	.....	.....	162	231	.....	.....	.....	.....	....
6	......	......	1	7	.....	.....	.....	30	111	.....	102	.....	.....	....
7	19	41	49	47	.....	.....	.....	48	147	.....	43	.....	.....	....
8	39	110	40	40	.....	.....	.....	35	158	.....	.....	.....	.....	....
9	18	17	12	12	.....	.....	.....	35	52	.....	.....	.....	.....	....
10	38	93	21	19	20	.....	.....	31	131	.....	.....	.....	.....	....
11	6	6	9	......	.....	.....	.....	69	136	.....	5	5	7	....
12	70	71	100	87	68	69	69	119	391	69	18	.....	47	....
13	7	7	48	48	.....	.....	.....	83	164	.....	95	.....	.....	....
14	37	78	17	19	.....	.....	.....	36	114	.....	.....	.....	.....	....
15	24	58	19	19	.....	.....	.....	24	80	.....	.....	.....	.....	....
16	53	123	67	32	.....	.....	.....	110	202	.....	.....	.....	.....	....
17	20	34	27	27	.....	.....	.....	22	96	.....	.....	.....	.....	....
18	21	55	8	8	.....	.....	.....	49	66	.....	.....	.....	.....	....
19	13	52	13	14	.....	.....	.....	65	84	.....	.....	.....	.....	....
20	39	94	33	36	.....	.....	.....	15	147	.....	.....	.....	.....	....
21	43	83	58	54	59	19	9	45	170	.....	.....	.....	.....	....
22	54	144	39	37	.....	.....	.....	142	192	.....	.....	.....	.....	....
23	57	57	12	18	.....	.....	.....	26	80	.....	.....	.....	.....	....
24	14	38	5	5	.....	.....	.....	40	46	.....	.....	.....	.....	....
25	31	77	42	42	.....	.....	.....	76	135	.....	.....	.....	.....	....
26	29	39	28	28	.....	.....	.....	39	98	.....	.....	.....	.....	....
27	25	51	23	23	.....	.....	.....	25	76	.....	.....	.....	.....	....
28	94	192	55	93	61	52	52	59	334	52	.....	.....	.....	....
29	17	45	18	18	.....	.....	.....	48	66	.....	.....	.....	.....	....
30	20	55	15	15	.....	.....	.....	57	81	.....	.....	.....	.....	....
31	38	90	31	31	31	31	31	37	160	31	.....	.....	.....	....
32	34	71	21	47	.....	.....	.....	58	123	.....	.....	.....	.....	....
33	47	47	35	30	.....	.....	.....	45	129	.....	.....	.....	.....	....
34	41	87	29	30	.....	.....	.....	79	127	.....	.....	.....	.....	....
35	16	40	18	18	.....	.....	.....	......	58	.....	.....	.....	.....	....
36	......	......	17	12	.....	.....	.....	40	184	.....	83	.....	.....	....
37	41	50	36	41	.....	.....	.....	79	121	.....	.....	.....	.....	....
38	38	91	28	37	.....	.....	.....	38	144	.....	.....	.....	.....	....
39	21	40	24	22	.....	.....	.....	21	64	.....	.....	.....	.....	....
40	23	72	2	30	.....	.....	.....	23	120	.....	.....	.....	.....	....
41	32	70	19	20	32	33	32	25	117	34	.....	.....	.....	....
42	25	72	31	30	33	33	33	28	150	.....	.....	.....	.....	....
43	20	39	21	22	5	5	10	17	125	.....	.....	.....	.....	....
44	24	72	20	20	.....	.....	.....	72	94	.....	.....	.....	.....	....
45	10	25	10	10	17	.....	17	10	50	.....	.....	.....	.....	....
46	30	79	40	41	.....	.....	.....	79	127	.....	.....	.....	.....	....
47	37	85	40	43	.....	.....	.....	19	134	.....	.....	.....	.....	....
48	17	23	24	7	.....	.....	.....	14	146	.....	37	.....	.....	....
49	34	72	31	32	.....	.....	.....	72	131	.....	.....	.....	.....	....
50	36	61	15	13	.....	.....	.....	40	91	.....	.....	.....	.....	....
51	37	70	......	27	30	.....	10	37	112	.....	.....	.....	.....	....
52	31	90	17	44	.....	.....	.....	29	141	.....	.....	.....	.....	....
53	15	35	27	30	38	38	38	33	151	38	.....	.....	.....	....
54	50	50	38	40	.....	.....	.....	46	183	.....	75	.....	.....	....
55	28	70	23	22	.....	.....	.....	28	102	.....	.....	.....	.....	....
56	35	87	49	46	.....	.....	.....	36	225	.....	71	.....	.....	....
57	58	119	28	46	.....	.....	.....	99	161	.....	.....	.....	.....	....

COLLEGIATE INSTITUTES AND

III. TABLE N—ATTENDANCE, PUPILS IN THE SCHOOLS

High Schools	Attendance					Number of Pupils in—				Number of Pupils from—	
	Number of Pupils on the Roll for the Year	Boys	Girls	Average Daily Attendance	Number Admitted for the First Time to a Secondary School	Lower School, Form I	Lower School, Form II	Middle School	Upper School	Municipalities Forming High School District	Other Municipalities within the County or Territorial District
58 Lucan..........	112	61	51	88	41	48	30	28	6	36	76
59 Madoc..........	119	45	74	85	39	44	32	32	11	47	71
60 Markdale.......	83	36	47	78	30	30	32	17	4	75	8
61 Markham.......	136	52	84	104	44	44	33	39	20	30	83
62 Meaford........	141	59	82	118	59	61	37	34	9	89	50
63 Midland........	162	69	93	144	59	70	43	36	13	139	23
64 Milton..........	146	61	85	123	68	68	37	34	7	75	71
65 Mitchell........	117	52	65	107	46	50	27	35	5	66	51
66 Morewood.......	48	21	27	40	12	13	19	16	.....	37	1
67 Mount Forest...	122	49	73	107	47	51	34	29	8	55	27
68 Newburgh.......	95	28	67	77	31	38	23	34	.....	26	68
69 Newcastle.......	26	11	15	20	11	10	7	9	.....	14	12
70 Newmarket	212	112	100	174	74	103	54	35	20	87	122
71 Niagara.........	38	23	15	28	13	13	13	12	.....	27	11
72 Niagara Falls Sth.	169	84	85	143	65	71	62	27	9	100	69
73 Norwich........	120	57	63	104	40	41	43	29	7	55	56
74 Norwood........	100	45	55	86	37	38	44	18	.....	44	42
75 Oakville........	147	77	70	119	57	57	46	44	.....	81	66
76 Omemee........	51	15	36	43	19	22	18	11	.....	27	17
77 Orangeville......	186	67	119	177	60	85	41	48	12	79	56
78 Oshawa.........	328	146	182	279	117	134	119	54	21	261	53
79 Paris...........	146	59	87	130	47	61	51	22	12	98	46
80 Parkhill.........	117	54	63	113	33	36	38	33	10	52	45
81 Parry Sound.....	136	58	78	124	54	64	47	25	.....	126	9
82 Pembroke.......	183	104	79	156	67	72	44	56	11	143	34
83 Penetanguishene.	84	34	50	70	41	48	22	14	.....	81	1
84 Petrolia.........	174	84	90	151	66	76	38	60	.....	93	81
85 Plantagenet.....	51	22	29	46	23	22	16	13	.....	23	27
86 Port Dover......	62	28	34	55	21	24	16	22	.....	38	11
87 Port Elgin.......	86	31	55	74	38	49	21	16	.....	42	44
88 Port Hope.......	190	75	115	167	79	75	56	46	13	124	66
89 Port Perry......	97	48	49	81	36	44	22	19	12	36	47
90 Port Rowan.....	43	20	23	36	25	26	7	10	.....	22	21
91 Prescott........	130	57	73	118	45	56	39	27	8	91	39
92 Richmond Hill...	118	64	54	103	49	52	38	28	.....	25	93
93 Ridgetown......	165	73	92	127	55	73	48	32	12	74	86
94 Rockland.......	42	20	22	29	21	21	12	9	.....	28	8
95 Sault Ste. Marie..	437	180	257	368	179	204	129	90	14	400	35
96 Shelburne.......	84	32	52	71	36	37	16	31	.....	33	48
97 Simcoe..........	200	85	115	180	64	64	45	64	27	91	109
98 Smithville.......	83	35	48	67	40	40	29	14	.....	34	31
99 Stirling.........	118	43	75	108	39	40	40	32	6	116	......
100 Streetsville......	72	33	39	58	39	41	19	12	.....	20	43
101 Sudbury........	140	64	76	124	49	54	39	38	9	101	35
102 Sydenham.......	141	53	88	126	43	46	48	39	8	139	1
103 Thorold.........	108	57	51	74	50	50	31	18	9	80	20
104 Tillsonburg......	164	68	96	141	63	74	26	53	11	87	38
105 Toronto—											
" Davenport	310	184	126	269	117	121	90	99	.....	310	......
106 " North....	507	251	256	439	209	218	124	137	28	476	31
107 Trenton.........	193	76	117	168	80	91	39	53	10	138	23
108 Tweed..........	93	35	58	77	39	37	25	24	7	46	46
109 Uxbridge........	156	73	83	142	49	59	46	37	14	58	92
110 Vienna..........	23	9	14	18	7	7	10	6	.....	22	1
111 Walkerton.......	107	39	68	92	27	28	49	22	8	59	48
112 Wallaceburg.....	175	69	106	142	65	76	51	39	9	115	37

HIGH SCHOOLS (Continued)

AND IN THE VARIOUS SUBJECTS, ETC. (Continued)

		Number of Pupils from Families whose Head is occupied as below—								Number of Pupils in the Various Subjects					
	Other Counties or Districts	Commerce	Agriculture	Law, Medicine, Dentistry, or the Church	Teaching	The Trades	Labouring Occupations	Other Occupations	Without Occupation	English Grammar	English Composition and Rhetoric	English Literature	Canadian History	British History	Ancient History
58	...	22	74	7	....	6	3	.....	.....	23	112	112	48	28	28
59	1	20	59	8	1	8	9	8	6	29	108	108	45	17	12
60	...	21	48	.....	2	10	.....	.....	2	31	83	83	30	21	17
61	23	16	78	8	2	9	10	7	6	26	118	122	36	39	38
62	2	30	56	5	....	15	21	13	1	66	139	140	61	32	30
63	...	32	25	6	1	37	19	42	.....	41	148	158	70	25	21
64	...	5	63	10	3	22	26	16	1	39	146	146	68	32	30
65	...	34	47	2	3	23	2	6	.....	77	117	117	50	36	35
66	10	3	36	1	3	2	3	.....	.....	22	45	45	15	14	10
67	40	16	67	5	1	17	1	.....	15	33	119	119	51	27	27
68	1	6	58	6	....	5	3	16	1	24	95	95	38	32	6
69	...	3	18	1	....	.....	1	.....	3	4	26	26	10	9	9
70	3	37	91	15	5	17	33	8	6	100	189	192	100	37	31
71	...	9	16	.....	....	3	6	3	1	13	38	38	13	.....	12
72	...	43	31	4	2	54	17	17	1	27	168	161	79	26	26
73	9	10	66	9	1	14	10	4	6	47	113	113	41	29	9
74	14	11	61	2	1	9	10	3	3	44	100	100	38	62	18
75	...	22	42	10	....	30	15	13	15	46	144	146	57	44	17
76	7	9	27	4	....	2	4	3	2	40	51	51	22	11	11
77	51	19	97	11	1	22	9	22	5	125	185	182	64	46	41
78	14	48	63	30	....	76	77	26	8	144	328	328	134	103	25
79	2	9	50	2	....	18	37	22	8	14	130	146	59	21	21
80	20	11	62	2	2	11	6	23	.....	38	115	117	36	32	13
81	1	20	10	5	....	35	26	31	9	112	136	136	64	23	23
82	6	28	41	9	....	42	26	23	14	118	179	179	75	65	26
83	2	17	4	4	....	24	14	21	.....	22	84	84	48	14	14
84	...	24	56	2	....	45	28	18	1	83	170	171	75	46	47
85	1	5	34	1	....	7	.....	1	3	14	51	51	22	13	13
86	13	5	37	1	1	3	6	6	3	16	62	62	24	21	22
87	...	6	50	2	....	16	6	4	2	17	85	85	49	16	16
88	...	14	59	7	3	49	31	20	7	109	190	190	97	68	46
89	14	18	60	6	1	7	4	.....	1	66	92	96	44	18	18
90	...	5	14	3	2	8	7	4	.....	26	39	43	22	5	7
91	...	25	40	4	....	23	4	31	3	95	129	129	56	25	22
92	...	8	55	7	....	22	17	5	4	90	118	118	52	22	14
93	5	12	83	4	2	15	18	26	5	55	165	165	73	32	32
94	6	10	7	1	....	4	14	4	2	27	42	42	30	9	9
95	2	125	26	16	3	147	81	39	.....	200	430	430	169	90	31
96	3	19	48	7	....	3	1	4	2	55	81	81	37	27	23
97	...	30	90	12	2	45	6	11	4	45	196	196	64	64	34
98	18	6	51	8	....	8	1	7	2	19	83	83	40	13	13
99	2	9	80	4	....	6	12	7	.....	40	115	115	40	32	32
100	9	14	42	1	....	7	2	6	.....	1	72	72	41	12	12
101	4	26	3	6	2	21	8	70	4	41	140	136	54	20	21
102	1	19	89	4	....	4	3	3	19	63	131	137	46	36	36
103	8	15	13	1	....	73	4	2	.....	31	108	108	50	17	17
104	39	34	65	5	6	24	5	22	3	100	160	160	74	53	26
105	...	143	1	8	17	80	3	28	30	90	310	310	121	99	30
106	...	180	14	21	21	41	2	215	13	179	507	507	218	137	57
107	32	44	53	3	5	47	36	4	1	91	189	189	91	46	26
108	1	18	34	1	1	13	9	14	3	54	93	93	37	13	16
109	6	32	82	1	....	15	18	6	2	105	106	105	60	33	33
110	...	2	20	.....	....	1	.....	.....	.....	10	23	23	7	4	4
111	...	15	43	6	2	28	3	10	.....	36	99	101	28	17	15
112	23	34	34	10	3	33	46	14	1	30	174	175	76	40	39

COLLEGIATE INSTITUTES AND

III. TABLE N—ATTENDANCE, PUPILS IN THE SCHOOLS

High Schools	Number of Pupils in the Various Subjects (Continued)											
	Modern History	Geography	Physiography	Arithmetic and Mensuration	Algebra	Geometry	Trigonometry	French	Spanish	German	Latin	Greek
58 Lucan	6	48	30	73	112	64	6	81	...	.....	81	...
59 Madoc	4	45	31	66	63	49	4	54	...	.....	56	...
60 Markdale	4	30	31	34	83	53	4	74	...	.....	74	...
61 Markham	17	36	26	28	93	80	20	112	...	5	110	...
62 Meaford	6	44	26	35	125	59	8	97	...	.....	94	...
63 Midland	5	70	43	42	149	77	8	133	...	.....	140	...
64 Milton	3	....	40	109	146	78	5	93	...	.....	100	...
65 Mitchell	1	50	27	28	116	65	5	106	...	.....	110	...
66 Morewood	...	15	19	19	23	31	.....	27	...	.....	26	...
67 Mount Forest	8	51	34	34	117	71	7	96	...	.....	87	...
68 Newburgh	...	38	23	25	72	57	.....	70	...	.....	74	1
69 Newcastle	...	10	7	7	26	15	.....	13	...	.....	7	...
70 Newmarket	8	100	37	59	189	83	11	146	...	6	126	...
71 Niagara	...	13	13	17	25	25	.....	26	...	4	38	...
72 Niagara Falls Sth.	...	59	31	62	132	48	7	107	29	.....	104	...
73 Norwich	7	41	43	86	120	63	6	93	...	.....	76	...
74 Norwood	...	38	44	45	64	62	.....	92	...	.....	97	...
75 Oakville	...	57	46	49	101	68	.....	88	2	.....	96	5
76 Omemee	...	22	18	18	33	29	.....	23	...	.....	37	...
77 Orangeville	10	64	41	52	128	96	7	137	...	15	145	...
78 Oshawa	6	112	59	214	325	122	11	204	...	7	211	3
79 Paris	11	59	46	32	128	68	12	85	...	6	77	1
80 Parkhill	7	74	38	38	115	73	9	92	...	.....	90	...
81 Parry Sound	...	64	45	112	133	133	.....	93	...	1	90	...
82 Pembroke	...	63	30	118	164	81	9	143	...	8	133	1
83 Penetanguishene	...	48	22	22	84	36	.....	81	...	.....	60	...
84 Petrolia	...	75	38	40	130	88	.....	134	...	.....	111	...
85 Plantagenet	...	22	16	16	51	38	.....	50	...	.....	51	...
86 Port Dover	...	24	15	16	62	17	.....	47	...	.....	48	...
87 Port Elgin	...	49	20	20	84	36	.....	63	...	.....	39	...
88 Port Hope	...	97	34	73	142	61	8	137	...	15	117	4
89 Port Perry	5	42	22	19	96	47	12	76	...	5	62	...
90 Port Rowan	...	1	26	26	43	15	.....	40	...	.....	40	...
91 Prescott	...	56	36	39	90	74	8	105	...	.....	95	...
92 Richmond Hill	...	52	40	40	80	42	.....	111	...	.....	92	...
93 Ridgetown	4	73	28	121	161	98	8	89	...	.....	80	...
94 Rockland	...	33	12	18	42	21	.....	35	...	.....	30	...
95 Sault Ste. Marie	...	169	107	107	380	211	13	374	...	22	305	...
96 Shelburne	...	37	16	17	82	39	.....	62	...	.....	54	...
97 Simcoe	13	64	45	45	151	98	17	154	...	12	154	...
98 Smithville	...	40	24	18	82	38	.....	61	...	.....	60	...
99 Stirling	3	40	40	40	75	72	3	106	...	.....	100	...
100 Streetsville	...	41	19	19	53	12	.....	70	...	.....	71	...
101 Sudbury	5	54	53	54	100	85	9	115	...	2	107	...
102 Sydenham	...	46	50	51	88	91	6	80	...	.....	96	...
103 Thorold	...	81	31	81	106	57	7	97	...	.....	91	...
104 Tillsonburg	4	74	26	26	138	90	11	113	...	.....	112	...
105 Toronto—												
“ Davenport	...	121	90	91	220	121	.....	308	...	66	293	...
106 “ North	12	218	124	256	378	283	26	506	...	142	455	...
107 Trenton	6	91	39	15	189	97	4	142	...	.....	162	...
108 Tweed	...	37	25	28	85	84	5	57	...	.....	53	...
109 Uxbridge	7	60	44	46	150	88	10	127	...	4	131	...
110 Vienna	...	7	10	17	11	14	.....	8	...	.....	7	...
111 Walkerton	4	28	25	71	66	52	2	52	...	.....	52	...
112 Wallaceburg	...	76	51	51	48	175	9	96	...	.....	98	...

HIGH SCHOOLS (Continued)

AND IN THE VARIOUS SUBJECTS, ETC. (Continued)

	Number of Pupils in the Various Subjects (Continued)									Special Courses				
	Zoology	Botany	Chemistry	Physics	Bookkeeping	Stenography	Typewriting	Art	Physical Culture	Commercial	Agriculture	Manual Training	Household Science	Art (Middle School)
58	23	71	31	36	.....	.....	.....	23	112	.....	.....	.....	.....	....
59	24	61	27	16	.....	.....	.....	26	112	.....	.....	.....	.....	....
60	31	61	17	17	.....	.....	.....	61	83	.....	.....	.....	.....	....
61	30	40	43	44	.....	.....	.....	62	124	.....	.....	.....	.....	....
62	29	71	34	34	26	26	26	25	141	26	.....	.....	.....	....
63	47	113	28	29	.....	.....	.....	96	162	.....	.....	.....	.....	....
64	37	109	28	31	.....	.....	.....	103	146	.....	.....	.....	.....	....
65	27	27	33	23	.....	.....	.....	28	117	.....	50	.....	.....	....
66	19	13	12	12	.....	.....	.....	14	48	.....	.....	.....	.....	....
67	34	86	28	29	.....	.....	.....	80	120	.....	.....	.....	.....	....
68	23	61	33	7	.....	.....	.....	54	95	.....	.....	.....	.....	....
69	3	13	9	8	.....	.....	.....	14	26	.....	.....	.....	.....	....
70	31	107	37	39	32	32	7	19	194	32	.....	.....	.....	....
71	13	23	......	......	.....	.....	.....	4	38	.....	.....	.....	.....	....
72	32	32	27	11	49	54	54	54	169	54	76	.....	62	....
73	41	80	27	11	.....	.....	.....	41	120	.....	.....	.....	.....	....
74	36	74	18	18	.....	.....	.....	74	100	.....	.....	.....	.....	....
75	......	......	13	22	12	12	14	44	147	12	48	.....	.....	....
76	40	18	11	11	.....	.....	.....	18	51	.....	.....	.....	.....	....
77	36	95	49	48	22	24	25	35	185	22	.....	.....	.....	....
78	13	13	61	60	174	112	112	42	322	112	.....	.....	.....	....
79	13	53	7	17	38	38	38	27	143	38	.....	.....	.....	....
80	38	74	31	18	.....	.....	.....	74	115	.....	.....	.....	.....	....
81	26	52	23	23	.....	.....	.....	26	133	.....	.....	.....	.....	....
82	30	30	53	53	26	26	26	11	180	26	.....	.....	.....	....
83	22	62	14	14	41	.....	.....	22	82	.....	.....	.....	.....	....
84	113	38	52	50	.....	.....	.....	38	174	.....	.....	.....	.....	....
85	9	31	12	13	.....	.....	.....	38	51	.....	.....	.....	.....	....
86	38	14	15	15	.....	.....	.....	38	61	.....	.....	.....	.....	....
87	20	69	18	19	.....	.....	.....	65	86	.....	.....	.....	.....	....
88	......	......	39	20	40	40	43	16	190	40	91	.....	.....	....
89	18	18	21	20	.....	.....	.....	17	97	.....	35	.....	25	....
90	6	6	7	7	.....	.....	.....	26	43	.....	.....	.....	.....	....
91	37	93	10	37	.....	.....	.....	35	130	.....	.....	.....	.....	....
92	38	81	12	26	.....	.....	.....	90	118	.....	.....	.....	.....	....
93	30	58	20	31	25	.....	.....	30	165	.....	.....	.....	.....	....
94	33	33	21	21	.....	.....	.....	33	42	.....	.....	.....	.....	....
95	38	87	101	95	.....	.....	.....	38	430	67	.....	81	138	....
96	16	53	28	23	25	.....	.....	16	84	.....	.....	.....	.....	....
97	51	115	69	40	.....	.....	.....	109	200	.....	.....	.....	.....	....
98	17	55	13	13	.....	.....	.....	44	83	.....	.....	.....	.....	....
99	40	80	32	32	.....	.....	.....	80	118	.....	.....	.....	.....	....
100	19	58	12	12	.....	.....	.....	17	72	.....	.....	.....	.....	....
101	27	81	41	40	.....	.....	.....	81	138	.....	.....	54	54	....
102	44	90	36	41	.....	.....	.....	50	140	.....	.....	.....	.....	....
103	31	81	18	51	.....	.....	.....	31	108	.....	.....	.....	.....	....
104	26	100	29	56	.....	.....	.....	26	164	.....	.....	.....	.....	....
105	54	121	88	27	.....	.....	.....	130	308	.....	.....	.....	.....	....
106	272	273	128	136	.....	.....	.....	133	479	.....	.....	.....	.....	....
107	39	130	54	33	.....	.....	.....	12	193	.....	.....	.....	.....	....
108	26	62	15	14	.....	.....	.....	25	93	.....	.....	.....	.....	....
109	52	112	......	......	.....	.....	.....	45	156	.....	.....	.....	.....	....
110	10	17	3	3	.....	.....	.....	10	23	.....	.....	.....	.....	....
111	22	30	19	17	25	25	24	21	104	26	.....	.....	.....	....
112	51	127	39	39	.....	.....	.....	127	174	.....	.....	.....	.....	....

COLLEGIATE INSTITUTES AND

III. TABLE N—ATTENDANCE, PUPILS IN THE SCHOOLS

High Schools	Attendance					Number of Pupils in—				Number of Pupils from—	
	Number of Pupils on the Roll for the Year	Boys	Girls	Average Daily Attendance	Number Admitted for the First Time to a Secondary School	Lower School, Form I	Lower School, Form II	Middle School	Upper School	Municipalities Forming High School District	Other Municipalities within the County or Territorial District
113 Wardsville. .	43	15	28	37	17	20	13	10	. . . . .	11	18
114 Waterdown. .	87	37	50	72	42	40	31	16	. . . . .	74	10
115 Waterford. . .	69	34	35	59	27	29	24	16	. . . . .	61	. . . . . .
116 Watford. . . .	114	51	63	95	43	45	29	26	14	50	54
117 Welland. . . .	266	125	141	223	91	87	104	56	19	138	125
118 Weston.	350	170	180	296	171	171	87	70	22	153	187
119 Whitby.	169	85	84	142	56	67	53	39	10	96	70
120 Wiarton. . . .	101	48	53	80	38	39	19	38	5	53	33
121 Will'mstown.	94	36	58	84	31	34	24	36	. . . . .	92	. . . . . .
122 Winchester. .	140	58	82	118	46	52	30	52	6	71	64
123 Wingham. . .	172	76	96	150	62	69	35	44	24	84	69
1 Totals, High Schools.	16,671	7,284	9,387	14,268	6,195	6,780	4,788	4,157	946	9,762	5,963
2 Totals, Collegiate Institutes.	22,734	11,044	11,690	19,994	8,458	9,170	6,535	5,637	1,392	18,078	4,052
3 Grand Totals, 1921-22.	39,405	18,328	21,077	34,262	14,653	15,950	11,323	9,794	2,338	27,840	10,015
4 Grand Totals, 1920-21.	34,128	15,221	18,907	28,952	12,666	14,208	9,958	8,471	1,491	24,045	8,741
5 Increases.	5,277	3,107	2,170	5,310	1,987	1,742	1,365	1,323	847	3,795	1,274
6 Decreases.	. . . . . .	. . . . . .	. . . . . .	. . . . . .	. . . . . .	. . . . . .	. . . . . .	. . . . .	. . . . .	. . . . . .	. . . . . .
7 Percentages. . .	. . . . . .	46.51	53.48	86.94	37.18	40.47	28.73	24.85	5.93	70.65	25.41

HIGH SCHOOLS (Continued)

AND IN THE VARIOUS SUBJECTS, ETC. (Continued)

		Number of Pupils from Families whose Head is occupied as below—								Number of Pupils in the Various Subjects					
	Other Counties or Districts	Commerce	Agriculture	Law, Medicine, Dentistry, or the Church	Teaching	The Trades	Labouring Occupations	Other Occupations	Without Occupation	English Grammar	English Composition and Rhetoric	English Literature	Canadian History	British History	Ancient History
113	14	8	27	4	1	1	1	1	.....	13	41	42	20	9	8
114	3	15	57	3	....	6	1	3	2	72	85	85	40	14	15
115	8	8	49	3	....	.....	7	1	1	23	69	69	29	16	7
116	10	22	63	8	....	10	11	.....	.....	51	113	113	45	26	26
117	3	73	79	15	2	84	12	.....	1	76	245	245	174	52	54
118	10	71	90	6	4	101	15	34	29	46	348	348	171	69	35
119	3	15	61	18	1	14	20	28	12	47	160	160	70	21	24
120	15	15	37	2	2	10	8	17	10	11	85	88	38	37	28
121	2	8	62	2	....	3	9	5	5	58	92	93	34	35	35
122	5	27	66	5	1	14	9	12	6	33	134	135	53	49	47
123	19	25	100	4	....	18	6	16	3	32	163	163	68	44	44
1	946	2,862	6,528	701	178	2,767	1,578	1,547	510	7,043	16,113	16,267	6,896	4,062	2,951
2	604	6,445	3,591	1,121	376	5,382	1,864	3,007	948	6,586	22,246	22,274	9,413	7,446	3,357
3	1,550	9,307	10119	1,822	554	8,149	3,442	4,554	1,458	13629	38,359	38,541	16309	11508	6,308
4	1,342	8,118	8,583	1,711	529	7,236	2,813	3,856	1,282	22858	33,260	33,405	26294	21872	7,747
5	208	1,189	1,536	111	25	913	629	698	176	.....	5,099	5,136	.....	.....	.....
6	.....	.....	.....	.....	....	.....	.....	.....	.....	9,229	......	......	9,985	10364	1,439
7	3.93	23.62	25.68	4.62	1.40	20.68	8.73	11.55	3.70	34.58	97.34	97.80	41.38	29.20	16.00

COLLEGIATE INSTITUTES AND

III. TABLE N—ATTENDANCE, PUPILS IN THE SCHOOLS

High Schools	Number of Pupils in the Various Subjects (Continued)											
	Modern History	Geography	Physiography	Arithmetic and Mensuration	Algebra	Geometry	Trigonometry	French	Spanish	German	Latin	Greek
113 Wardsville...	.....	20	12	13	28	20	.....	31	...	.....	23	...
114 Waterdown..	.....	40	31	33	86	44	.....	85	...	.....	82	...
115 Waterford...	.....	29	24	24	45	40	.....	60	...	.....	58	...
116 Watford.....	12	45	29	29	113	68	12	84	...	.....	91	...
117 Welland.....	8	87	63	101	142	125	12	202	...	.....	...168	...
118 Weston......	4	171	80	112	349	179	19	262	...	.....	252	1
119 Whitby......	9	70	42	46	150	88	10	160	...	.....	150	...
120 Wiarton.....	2	6	18	53	86	51	5	71	...	.....	67	...
121 Williamstown	.....	......	24	60	93	92	.....	87	...	.....	87	...
122 Winchester..	3	53	30	35	6	6	6	117	...	13	105	...
123 Wingham....	20	......	35	102	122	75	15	152	...	.....	115	2
1 Totals, High Schools......	473	6,533	4,560	6,326	13,539	8,384	673	12,672	31	398	12,194	47
2 Totals, Collegiate Institutes	690	8,060	5,874	7,746	18,022	11,338	958	8,539	136	1,312	17,413	212
3 Grand Totals, 1921-22.....	1,163	14,593	10,434	14,072	31,561	19,722	1,631	21,211	167	1,710	29,607	259
4 Grand Totals, 1020-21.....	463	23,451	......	23,367	31,662	18,461	1,103	27,956	148	1,795	25,583	276
5 Increases......	700	......	......	......	......	1,261	528	......	19	.....	4,024	...
6 Decreases......	.....	8,858	......	9,295	101	......	.....	6,745	...	85	......	17
7 Percentages....	2.95	37.03	26.47	35.71	80.09	50.04	4.13	53.82	.42	4.33	75.13	.65

HIGH SCHOOLS (Continued)

AND IN THE VARIOUS SUBJECTS, ETC. (Concluded)

	Number of Pupils in the Various Subjects (Continued)									Special Courses				
	Zoology	Botany	Chemistry	Physics	Bookkeeping	Stenography	Typewriting	Art	Physical Culture	Commercial	Agriculture	Manual Training	Household Science	Art (Middle School)
113	13	33	5	5	.....	.....	.....	34	43	.....	.....	.....	.....	....
114	31	71	15	15	.....	.....	.....	31	87	.....	.....	.....	.....	....
115	20	48	16	16	.....	.....	.....	20	68	.....	.....	.....	.....	....
116	29	77	34	33	.....	.....	.....	29	113	.....	.....	.....	.....	....
117	58	89	58	56	38	38	38	150	266	38	.....	.....	.....	....
118	92	176	128	118	31	29	31	221	346	.....	.....	.....	.....	....
119	3	3	20	31	39	16	17	52	169	16	.....	.....	.....	....
120	46	15	30	32	.....	.....	.....	1	101	.....	.....	.....	.....	....
121	......	......	35	36	.....	.....	.....	24	94	.....	58	.....	.....	....
122	......	......	17	17	.....	.....	.....	87	38	.....	109	.....	.....	....
123	35	102	48	50	.....	.....	.....	97	172	.....	.....	.....	.....	....
1	3,994	7,892	3,641	3,674	1,049	764	768	6,087	16,477	745	1,068	140	333	....
2	2,940	7,029	4,209	5,092	3,440	2,353	2,165	5,843	22,052	1,872	355	3,250	3,345	189
3	6,934	14,921	7,850	8,766	4,489	3,117	2,933	11,930	38,529	2,617	1,423	3,390	3,768	189
4	15,159	15,530	14,178	25,301	6,212	4,306	3,430	15,439	33,227	4,227	1,506	2,767	3,578	419
5	......	......	......	......	.....	.....	.....	......	5,302	.....	.....	623	190	....
6	8,225	609	6,328	16,535	1,723	1,189	517	3,509	......	1,610	83	.....	.....	230
7	17.59	37.86	19.92	22.24	11.39	7.91	7.44	30.27	97.77	6.64	3.61	8.60	9.56	.47

COLLEGIATE INSTITUTES AND

IV. TABLE O—ATTENDANCE OF PUPILS BY

Collegiate Institutes	Lower School, Form I																		
	Boys												Girls						
	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	10 years	11 years	12 years	13 years	14 years	15 years	16 years
1 Barrie	...	...	...	1	20	28	18	2	1	...	...	...	...	...	...	2	24	24	2
2 Brantford	...	...	5	18	66	49	27	7	1	...	...	...	...	...	3	31	86	58	37
3 Brockville	...	...	1	4	23	20	13	6	2	3	...	...	...	...	1	6	26	20	12
4 Chatham	...	...	6	18	16	12	9	8	6	...	...	...	...	2	4	26	20	20	18
5 Clinton	...	...	1	1	7	13	8	1	1	...	...	...	...	...	1	3	11	6	5
6 Cobourg	...	...	...	3	13	8	5	4	2	...	...	...	...	...	...	4	13	7	12
7 Collingwood	...	...	...	2	5	11	6	3	2	...	...	...	...	...	...	2	15	15	13
8 Fort William	...	...	1	11	16	26	23	14	5	...	...	...	...	...	2	3	30	45	28
9 Galt	...	...	2	9	32	32	13	2	1	...	...	...	...	...	1	18	42	48	13
10 Goderich	...	...	1	4	12	4	9	3	...	...	...	...	...	...	3	5	4	12	7
11 Guelph	...	2	...	7	37	30	17	9	2	1	...	1	...	...	4	10	29	19	10
12 Hamilton	...	...	...	23	48	86	57	8	1	1	...	...	...	...	...	15	74	96	50
13 Ingersoll	...	...	1	8	12	13	5	2	1	...	...	...	...	...	...	9	16	10	15
14 Kingston	...	...	6	15	31	27	17	4	4	...	...	1	...	1	8	25	33	37	17
15 Kitchener-Waterloo	...	...	5	23	25	18	5	...	...	...	...	...	...	1	3	33	29	18	7
16 Lindsay	...	...	...	7	18	30	21	8	1	...	...	...	...	...	2	20	25	25	10
17 London	1	2	3	25	52	63	21	4	1	...	...	...	...	...	4	30	53	52	18
18 Morrisburg	...	1	5	4	2	5	3	1	1	1	...	...	...	1	4	5	6	7	3
19 Napanee	...	1	...	9	10	11	6	2	...	...	...	...	...	...	3	4	16	21	11
20 Niagara Falls	...	...	...	5	7	16	5	2	...	...	...	...	...	...	2	3	11	12	5
21 North Bay	...	...	...	7	21	16	14	5	2	...	...	...	...	...	...	6	8	17	14
22 Orillia	...	...	2	6	14	19	11	7	1	...	...	...	...	...	...	6	20	22	14
23 Ottawa	...	...	6	48	81	92	59	26	7	...	...	...	...	1	6	26	64	51	46
24 Owen Sound	...	...	...	7	15	28	20	4	2	...	...	...	...	...	1	10	35	41	15
25 Perth	...	...	...	5	9	12	8	4	...	...	...	...	...	...	2	8	17	13	5
26 Peterborough	...	...	3	14	27	23	20	13	2	1	...	1	...	...	3	9	39	29	21
27 Picton	...	...	5	5	13	17	11	1	1	...	...	...	...	1	1	9	10	20	7
28 Port Arthur	...	...	...	13	19	31	19	6	...	1	...	1	...	...	2	11	32	21	18
29 Renfrew	...	2	5	7	19	10	2	1	1	...	...	...	...	2	6	9	23	20	9
30 St. Catharines	...	...	...	13	37	47	25	13	3	1	...	...	...	...	1	19	46	41	33
31 St. Mary's	...	...	...	5	20	20	8	3	1	...	...	...	...	...	...	6	24	15	9
32 St. Thomas	...	...	2	5	26	35	50	13	4	...	...	...	...	...	2	10	31	38	48
33 Sarnia	...	1	1	7	23	36	18	5	...	1	...	...	...	...	...	5	33	35	16
34 Seaforth	...	...	2	6	5	10	4	3	1	...	...	...	...	...	...	4	10	12	8
35 Smith's Falls	...	...	2	7	16	16	16	5	3	2	...	...	...	...	1	20	17	31	7
36 Stratford	...	...	...	7	47	33	31	6	1	...	...	...	...	...	...	10	42	41	22
37 Strathroy	...	...	1	2	6	11	4	1	...	1	...	...	...	...	1	4	11	10	6
Toronto—																			
38 Harbord	...	...	6	29	69	53	13	5	...	...	...	...	...	...	...	18	47	39	16
39 Humberside	...	...	11	27	53	47	20	2	...	...	1	...	...	1	6	28	63	40	18
40 Jarvis	...	...	1	26	50	47	20	10	1	...	...	...	...	...	2	14	33	33	19
41 Malvern	...	...	1	6	28	43	14	8	...	...	...	...	...	...	1	9	35	33	24
42 Oakwood	...	...	5	30	70	56	17	4	1	...	...	...	...	...	6	29	59	58	30
43 Parkdale	...	...	9	40	43	20	13	...	...	...	...	...	...	...	18	37	46	29	4
44 Riverdale	...	1	11	54	58	35	12	1	...	...	...	...	...	...	15	37	56	38	16
45 Vankleek Hill	...	3	2	5	5	10	7	...	...	...	...	...	...	...	3	10	4	11	2
46 Windsor	...	...	...	35	58	47	18	...	...	...	...	...	...	...	...	68	70	32	17
47 Woodstock	...	...	...	8	34	33	24	4	1	...	...	...	...	1	1	5	30	28	12

HIGH SCHOOLS (Continued)

AGE, SEX AND GRADE (Continued)

						Lower School, Form II																			
						Boys										Girls									
	17 years	18 years	19 years	20 years	21 and over	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over
1	1	..	..	..	..	...	...	2	22	7	5	1	..	..	....	..	...	5	28	12	4	1	..	..	....
2	5	..	1	..	..	...	1	6	37	38	20	6	..	..	....	..	2	15	42	39	6	3	..	..	....
3	5	1	..	1	1	...	1	3	14	11	4	...	..	..	....	..	1	7	17	18	20	5	3	..	....
4	7	1	..	..	..	...	5	11	13	4	8	4	5	1	....	..	3	10	19	19	11	5	3	2	....
5	1	..	..	..	..	...	...	...	3	6	6	3	1	..	....	..	...	...	3	9	8	5	..	..	....
6	2	2	..	..	..	...	...	1	8	2	3	...	..	1	....	..	1	4	10	11	9	1	1	..	....
7	...	1	..	..	..	...	...	1	4	11	4	1	..	..	....	..	1	6	12	16	22	4	1	1	....
8	17	1	..	..	..	...	2	7	14	15	6	4	1	..	....	..	1	5	14	24	13	8	..	3	....
9	8	1	..	..	..	...	...	10	19	23	4	2	3	..	....	..	2	7	24	33	16	3	2	1	....
10	1	..	..	..	..	...	1	3	5	4	3	1	..	..	....	..	...	3	13	9	8	2	..	1	....
11	10	1	2	..	1	1	...	2	18	20	8	2	1	1	....	..	2	8	22	20	12	9	4	2	1
12	7	2	..	..	..	...	...	7	38	45	29	18	2	1	....	..	1	10	36	56	34	10	2	..	....
13	2	..	..	..	..	...	...	3	12	6	4	3	..	..	....	..	...	2	12	14	7	5	..	..	....
14	9	1	..	1	1	...	...	7	24	19	19	9	2	..	1	..	...	7	23	23	20	4	2	2	....
15	...	..	..	..	..	...	3	12	13	8	3	3	1	..	....	..	2	17	20	13	5	1	..	..	....
16	8	2	1	..	..	...	1	7	6	16	7	4	2	3	....	..	...	1	18	14	5	4	..	1	....
17	4	1	1	..	..	1	5	27	46	50	22	5	3	1	....	1	3	29	59	54	20	5	1	..	1
18	...	1	1	..	..	1	3	2	3	6	1	...	1	..	....	..	...	3	7	3	11	3	1	..	....
19	2	..	1	..	..	...	1	3	2	1	1	1	1	..	....	..	...	4	7	13	10	10	4	..	2
20	...	..	..	..	..	...	...	3	5	8	6	...	2	..	....	..	...	3	6	12	1	...	..	..	....
21	4	1	1	..	..	...	1	1	10	9	9	8	1	..	....	..	3	12	13	12	7	5	..	1	....
22	10	..	1	..	..	...	...	1	14	8	10	4	..	..	....	..	...	5	20	15	12	10	1	..	....
23	10	1	1	..	..	...	6	28	63	73	44	16	3	..	....	..	2	20	45	50	31	12	..	..	....
24	3	..	1	..	..	...	...	4	19	17	9	1	1	..	....	..	...	10	23	20	19	6	..	..	....
25	3	..	..	..	..	...	2	6	5	3	4	...	..	..	....	..	3	5	12	8	7	...	..	..	....
26	11	5	..	..	..	...	...	9	11	19	10	4	2		1	..	1	16	12	29	16	12	5	..	....
27	3	..	..	..	..	1	2	3	8	12	5	3	1	..	....	..	1	3	6	11	15	1	2	..	....
28	10	2	1	..	..	...	1	4	7	8	5	2	1	..	....	1	...	8	13	19	16	9	3	1	....
29	6	2	1	..	..	...	3	5	22	15	4	1	1	..	....	..	1	5	26	28	17	2	..	..	....
30	8	2	..	2	..	1	3	11	21	31	10	7	..	..	....	..	1	8	29	33	17	2	2	..	....
31	3	..	..	..	..	...	...	3	9	9	4	...	..	..	....	..	2	6	8	14	4	1	..	..	....
32	13	2	..	..	..	2	7	18	19	21	8	5	..	..	....	..	15	24	54	36	24	9	3	..	....
33	11	3	1	..	..	...	...	7	19	15	8	9	5	2	....	..	...	15	28	32	18	5	2	1	1
34	6	..	..	..	..	...	3	8	10	5	1	...	..	..	....	..	1	10	15	10	1	...	..	..	....
35	7	1	1	..	..	...	...	4	3	9	8	3	1	..	....	..	...	8	17	18	17	6	1	2	....
36	3	2	..	1	..	...	1	5	23	29	16	7	3	..	....	..	...	1	43	25	17	2	..	1	1
37	2	3	..	..	..	...	1	5	6	8	4	1	..	..	....	..	...	4	6	7	2	1	..	..	2
38	3	..	..	..	..	...	5	16	28	35	13	2	..	..	....	..	3	14	33	19	12	...	..	..	....
39	5	..	..	..	..	1	3	22	36	22	15	4	..	..	....	..	1	21	32	25	22	3	..	..	....
40	1	1	..	..	..	...	1	8	27	35	17	7	2	..	1	..	2	7	13	24	11	7	..	..	....
41	1	..	..	..	..	...	1	11	22	25	14	8	..	..	....	..	1	8	16	27	7	6	..	..	....
42	3	..	..	..	..	...	6	27	53	31	21	7	..	..	1	..	3	20	45	44	10	7	..	..	....
43	1	..	..	..	..	...	1	12	29	32	21	2	..	1	....	..	2	15	37	36	20	2	..	..	....
44	2	..	..	1	..	...	10	28	48	24	9	...	..	..	....	..	15	24	27	21	12	4	..	..	....
45	1	..	..	..	..	...	1	5	3	3	4	3	1	..	....	..	4	7	11	9	8	4	..	..	....
46	...	..	..	..	..	...	...	16	29	42	33	5	..	..	....	..	...	17	64	73	33	5	..	..	....
47	3	..	..	..	..	...	...	8	16	17	7	4	..	..	1	..	...	14	30	33	16	2	3	..	....

COLLEGIATE INSTITUTES AND

IV. TABLE O—ATTENDANCE OF PUPILS BY

	Collegiate Institutes	Middle School																	
		Boys									Girls								
		13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over
1	Barrie	...	...	1	9	8	3	3	1	...	...	1	3	15	12	3	1	...	...
2	Brantford	...	1	10	21	30	22	7	2	1	...	1	14	38	24	10	5	...	...
3	Brockville	...	2	4	9	13	10	2	3	1	...	...	3	11	15	9	2	...	1
4	Chatham	...	...	4	4	4	8	6	1	...	...	1	5	5	9	4	2	1	1
5	Clinton	...	...	1	4	9	5	5	1	...	...	...	2	7	15	12	5	3	...
6	Cobourg	...	...	...	7	6	3	2	1	1	...	...	...	2	3	3	4	1	...
7	Collingwood	...	...	2	5	8	8	8	1	...	...	...	3	6	14	2	...	...	1
8	Fort William	...	...	2	5	9	14	7	3	1	...	...	2	8	14	14	9	...	3
9	Galt	...	...	4	26	13	12	3	...	1	...	...	7	12	16	8	3	1	...
10	Goderich	1	1	4	2	5	3	...	1	...	...	2	4	9	7	5	6	1	1
11	Guelph	...	...	...	13	11	16	7	3	1	...	...	7	15	21	12	8	...	...
12	Hamilton	...	...	4	38	54	41	11	2	3	...	1	2	19	47	27	8	1	...
13	Ingersoll	...	...	5	9	8	3	1	3	...	...	...	3	7	10	9	...	1	...
14	Kingston	...	1	12	23	26	31	14	7	4	...	...	10	20	38	33	14	6	2
15	Kitchener-Waterloo	...	1	8	29	10	4	3	...	1	...	1	7	15	16	7	...	1	...
16	Lindsay	1	4	7	12	12	7	3	1	4	...	...	3	12	16	8	5	1	1
17	London	...	5	15	38	36	24	7	7	5	...	3	16	36	40	31	10	3	2
18	Morrisburg	...	...	...	1	3	4	3	2	1	...	...	2	5	5	2	5	1	2
19	Napanee	...	...	1	4	5	7	3	1	1	...	...	8	7	8	4	6	...	...
20	Niagara Falls	...	...	3	16	13	4	6	2	3	...	1	4	6	11	5	4	...	...
21	North Bay	...	...	...	13	6	4	5	5	...	...	2	5	10	9	5	6	2	...
22	Orillia	...	...	3	10	7	8	2	2	1	...	...	2	12	11	9	9	2	2
23	Ottawa	...	3	21	60	65	55	22	8	3	...	2	7	38	62	41	15	6	1
24	Owen Sound	...	1	6	12	20	9	2	...	2	...	1	1	26	15	17	4	...	1
25	Perth	...	...	1	10	9	2	2	1	...	...	1	1	13	16	4	2	...	...
26	Peterborough	...	2	7	10	14	15	7	3	1	...	1	3	13	11	12	3	1	...
27	Picton	...	...	1	4	5	4	2	...	...	...	...	2	12	6	6	2	3	1
28	Port Arthur	...	1	...	3	4	6	2	...	...	...	2	3	2	4	9	7	1	...
29	Renfrew	...	...	2	6	6	4	...	2	1	...	...	2	8	10	8	4	3	1
30	St. Catharines	...	...	9	14	13	13	9	1	...	...	...	4	22	13	12	5	3	1
31	St. Mary's	...	...	4	6	5	4	1	...	...	...	1	5	12	8	7	5	...	1
32	St. Thomas	...	4	13	16	19	13	5	4	...	...	...	13	22	13	5	...	...	...
33	Sarnia	...	1	6	12	26	15	11	5	2	...	2	7	23	22	15	10	5	2
34	Seaforth	...	3	4	11	4	4	1	...	...	...	1	4	9	10	10	2	1	...
35	Smith's Falls	...	2	3	4	6	9	4	3	1	...	...	5	5	10	12	5	2	...
36	Stratford	...	...	1	15	16	4	4	4	...	...	...	2	7	12	14	...	...	...
37	Strathroy	...	...	1	6	11	6	2	2	1	...	...	3	9	10	4	8	3	1
	Toronto—																		
38	Harbord	...	5	22	29	32	18	10	3	1	...	4	12	24	32	19	11	2	...
39	Humberside	...	2	16	36	26	18	1	2	2	...	1	9	26	25	18	3	2	...
40	Jarvis	1	...	10	18	44	34	14	4	4	...	...	4	17	26	24	9	2	2
41	Malvern	...	1	3	16	13	11	2	7	...	...	...	6	7	13	15	5	1	...
42	Oakwood	...	9	17	35	62	25	19	3	1	...	7	20	33	61	39	15	4	...
43	Parkdale	...	7	13	50	32	21	1	1	2	2	7	15	30	27	17	3	2	1
44	Riverdale	...	3	11	29	19	23	9	7	...	...	1	24	17	23	12	7	4	...
45	Vankleek Hill	...	...	...	2	2	1	1	...	...	...	...	3	5	7	4	4	...	...
46	Windsor	...	...	12	16	18	30	12	4	...	...	...	...	14	19	25	...	...	...
47	Woodstock	...	1	7	7	17	8	2	3	1	1	...	2	14	19	15	9	2	...

HIGH SCHOOLS (Continued)

AGE, SEX AND GRADE (Continued)

	Upper School																		
	Boys								Girls								Boys	Girls	Total No. Enrolled
	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over			
1	...	...	...	3	9	4	1	1	...	...	3	5	10	3	...	...	150	159	309
2	...	1	3	4	5	5	3	1	...	...	1	8	5	3	1	...	397	438	835
3	...	...	...	1	2	2	2	...	...	...	...	3	6	3	...	...	156	197	353
4	...	1	...	2	2	4	2	...	...	...	3	8	4	2	1	...	164	216	380
5	...	...	...	1	1	1	1	...	...	...	2	7	4	1	...	...	80	110	190
6	...	...	1	...	1	3	1	1	...	...	...	1	3	3	...	1	77	98	175
7	...	...	...	2	3	5	6	2	...	...	3	6	5	5	2	1	100	157	257
8	...	...	...	1	4	1	1	...	...	...	...	1	...	...	...	...	193	245	438
9	...	...	2	6	8	5	4	1	...	...	1	1	2	3	...	1	237	274	511
10	...	...	...	3	...	...	...	2	...	...	1	3	2	1	...	1	72	111	183
11	...	...	...	...	5	2	6	...	...	...	1	4	10	3	...	1	223	248	471
12	...	1	2	9	18	7	6	2	...	...	3	9	10	8	4	...	562	532	1,094
13	...	...	...	1	2	3	1	1	...	...	3	2	...	1	1	...	107	129	236
14	...	...	...	2	8	3	4	...	...	...	...	2	1	2	...	...	321	342	663
15	...	2	...	4	3	...	...	...	...	...	1	4	3	...	...	...	184	204	388
16	...	...	1	2	5	5	1	2	...	...	2	1	1	1	1	...	198	188	386
17	...	3	6	14	9	4	3	5	1	...	6	8	14	4	1	1	513	512	1,025
18	...	2	2	...	...	...	1	...	...	...	...	...	2	1	1	2	59	84	143
19	...	...	...	...	...	3	1	3	...	...	2	5	3	2	1	2	78	156	234
20	...	1	1	6	1	1	1	...	...	...	3	2	...	...	1	...	117	92	209
21	...	...	...	...	1	1	4	2	...	...	...	1	1	...	2	...	145	147	292
22	...	...	...	5	6	3	1	...	...	...	1	1	2	...	1	...	145	188	333
23	...	...	3	3	10	9	4	1	...	1	6	5	14	12	...	1	819	577	1,396
24	...	...	...	2	7	4	2	...	...	...	...	3	4	3	2	1	194	262	456
25	...	...	2	1	1	2	...	...	...	...	...	2	2	2	1	...	89	127	216
26	...	1	...	7	4	6	4	...	...	...	1	...	5	4	...	...	241	262	503
27	...	...	...	...	2	...	1	1	...	1	...	1	3	3	1	2	108	133	241
28	...	...	...	...	1	1	...	1	...	...	...	...	...	...	1	...	137	196	333
29	...	...	2	2	3	2	1	...	...	...	...	3	5	1	...	...	129	202	331
30	...	...	2	8	1	3	2	1	...	1	5	7	10	3	...	...	299	330	629
31	...	...	...	1	2	1	2	...	...	...	...	2	5	1	...	...	108	139	247
32	...	...	5	5	5	6	4	3	...	4	...	4	4	...	...	...	317	374	691
33	...	...	...	1	6	2	3	2	...	1	...	2	3	2	...	...	249	300	549
34	...	3	5	2	2	1	1	2	...	4	4	6	1	1	...	...	101	130	231
35	...	...	...	1	3	2	...	1	...	...	...	4	2	3	3	...	134	205	339
36	...	...	1	5	5	3	3	...	...	...	1	14	11	3	...	...	270	275	545
37	...	1	...	1	1	3	4	3	...	1	...	1	4	2	...	3	93	108	201
38	...	...	4	8	13	4	4	3	...	...	5	6	3	5	1	1	430	329	759
39	...	...	...	5	9	7	2	1	...	...	4	5	6	1	1	...	391	366	757
40	...	...	1	7	13	11	6	1	...	...	2	1	8	3	4	1	421	270	691
41	...	...	1	1	2	6	1	...	...	...	...	2	3	1	1	...	245	222	467
42	...	...	3	9	14	9	1	1	...	1	4	9	8	2	3	...	537	520	1,057
43	...	...	1	8	6	2	2	...	...	...	1	8	1	2	1	1	369	365	734
44	...	...	1	2	5	8	3	4	...	...	...	1	5	1	...	...	415	363	778
45	...	...	2	1	...	1	...	...	...	...	3	3	1	...	...	...	62	104	166
46	...	...	1	1	5	3	2	...	...	...	...	1	2	1	...	...	387	441	828
47	...	...	1	2	6	8	...	1	...	...	1	6	7	5	3	1	221	263	484

COLLEGIATE INSTITUTES AND

IV. TABLE O—ATTENDANCE OF PUPILS BY

High Schools	Lower School, Form I																		
	Boys												Girls						
	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	10 years	11 years	12 years	13 years	14 years	15 years	16 years
1 Alexandria	...	...	...	1	3	10	9	6	...	...	...	...	...	...	1	1	9	16	8
2 Alliston	...	...	1	2	3	6	3	...	...	...	...	...	...	...	3	1	11	12	6
3 Almonte	...	...	1	7	10	8	1	...	...	...	...	...	...	...	3	16	16	8	2
4 Amherstburg	...	...	...	3	3	2	1	2	...	...	...	...	...	...	...	...	5	7	3
5 Arnprior	...	...	...	5	10	12	7	3	1	...	...	...	...	...	1	3	22	20	5
6 Arthur	...	...	1	3	8	5	5	2	...	...	...	...	...	...	1	5	7	6	8
7 Athens	...	...	...	...	8	7	6	...	...	...	1	...	...	...	...	6	7	9	2
8 Aurora	...	...	1	3	9	9	5	8	...	...	...	...	...	...	1	6	11	10	6
9 Avonmore	...	...	4	4	1	1	...	...	...	...	...	...	...	...	1	1	2	1	2
10 Aylmer	...	...	...	1	2	9	7	4	1	...	...	...	...	...	...	5	8	7	6
11 Beamsville	...	...	1	4	1	5	7	3	...	...	1	...	...	...	...	1	7	4	7
12 Belleville	...	...	...	11	18	17	12	7	1	...	...	...	...	...	...	13	23	22	16
13 Bowmanville	...	...	...	3	6	9	2	1	...	...	...	...	...	...	...	3	15	16	3
14 Bracebridge	...	...	2	5	4	5	2	...	...	...	...	...	...	...	2	4	5	7	5
15 Bradford	...	...	...	1	2	8	5	1	...	...	...	...	...	...	...	3	4	5	4
16 Brampton	...	...	2	7	6	12	3	2	1	...	...	...	...	...	1	3	9	15	9
17 Brighton	...	...	...	1	2	2	4	...	...	...	...	...	...	...	1	10	8	2	2
18 Burford	...	...	1	2	2	3	2	...	1	1	...	...	...	...	1	4	6	8	3
19 Burlington	...	...	1	7	8	3	2	...	...	...	...	...	...	...	1	6	8	3	...
20 Caledonia	...	...	2	10	6	7	2	2	...	...	...	...	...	...	2	12	9	8	3
21 Campbellford	...	...	1	1	7	4	2	...	1	...	...	...	...	...	...	3	10	7	4
22 Carleton Place	...	...	...	5	9	14	9	4	...	...	...	...	...	...	...	5	18	18	7
23 Cayuga	...	...	2	2	7	1	3	...	...	...	...	...	...	...	1	...	8	3	4
24 Chatsworth	...	...	...	3	...	3	3	1	...	...	...	...	...	...	2	...	...	9	3
25 Chesley	...	...	...	3	10	5	5	...	...	...	...	...	...	...	4	2	4	9	3
26 Chesterville	...	...	1	7	6	4	2	...	...	...	...	...	...	...	2	3	3	1	...
27 Colborne	...	...	...	2	...	2	1	...	...	...	...	...	...	...	1	2	9	5	4
28 Cornwall	...	...	4	5	16	11	7	4	...	...	...	...	...	...	1	8	18	18	15
29 Deseronto	...	...	...	1	7	4	3	1	...	...	...	...	...	...	...	1	6	4	3
30 Dundalk	...	...	...	4	...	3	3	...	...	...	...	...	...	...	1	3	4	10	6
31 Dundas	...	...	...	5	11	9	6	1	...	...	...	...	...	...	...	2	11	10	10
32 Dunnville	...	...	...	2	4	3	5	3	...	...	...	...	...	...	1	3	6	5	5
33 Durham	...	...	...	5	2	2	2	...	...	...	...	...	...	...	3	3	10	9	2
34 Dutton	...	...	1	4	4	6	2	3	...	...	...	...	...	...	1	4	6	9	5
35 Elora	...	...	...	2	3	3	3	...	...	...	...	...	...	...	...	4	5	3	1
36 Essex	...	...	...	3	6	5	...	1	...	...	...	...	...	...	...	7	7	3	3
37 Exeter	...	...	6	2	8	6	2	1	...	...	...	...	...	...	1	5	5	6	1
38 Fergus	...	...	3	5	10	7	3	3	...	...	...	...	...	...	...	6	6	4	5
39 Flesherton	...	...	...	...	2	2	3	...	...	...	...	...	...	...	...	1	2	3	3
40 Forest	...	...	...	2	6	6	3	3	...	1	...	...	...	...	2	4	10	7	3
41 Fort Frances	...	...	2	2	9	8	3	...	...	...	...	...	...	1	10	8	8	8	3
42 Gananoque	...	1	1	5	8	5	4	1	...	...	...	...	...	...	1	10	9	10	5
43 Georgetown	...	...	...	3	5	5	7	...	...	...	...	...	...	...	...	2	5	13	5
44 Glencoe	...	2	...	5	9	3	5	1	...	...	...	...	...	1	...	7	7	3	3
45 Gravenhurst	...	...	...	1	1	2	1	...	...	...	...	...	...	...	1	1	2	5	3
46 Grimsby	...	...	...	4	3	7	9	1	...	...	...	...	...	...	...	2	6	12	5
47 Hagersville	...	...	1	5	5	4	8	3	...	...	...	...	...	...	2	2	11	8	4
48 Haileybury	...	...	1	3	10	12	8	3	...	...	...	...	...	...	...	2	10	11	13
49 Harriston	...	...	...	2	9	4	2	...	...	...	...	...	...	...	...	7	7	3	3
50 Hawkesbury	1	...	1	2	1	2	2	...	...	...	...	...	...	...	3	2	1	6	3
51 Iroquois	...	...	2	3	5	2	...	...	1	...	...	...	...	...	2	5	4	3	1
52 Kemptville	...	...	2	2	5	8	4	4	...	...	1	...	...	...	...	5	7	7	11
53 Kenora	...	...	...	3	6	9	14	5	...	...	...	...	...	...	...	3	6	8	13
54 Kincardine	...	...	2	11	17	13	2	...	...	...	...	...	...	...	...	13	11	8	1
55 Kingsville	...	...	1	1	5	9	6	2	1	...	...	...	...	...	...	3	2	4	4
56 Leamington	...	...	2	...	15	13	11	3	2	...	...	...	...	...	2	4	15	16	8
57 Listowel	...	...	...	9	9	4	3	1	...	...	...	...	...	...	...	11	14	9	3

HIGH SCHOOLS (Continued)

AGE, SEX AND GRADE (Continued)

						Lower School, Form II																			
						Boys										Girls									
	17 years	18 years	19 years	20 years	21 and over	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over
1	5	1	...	...	...	...	...	2	2	6	...	...	...	...	...	...	1	1	5	6	6	3	...	...	...
2	1	...	...	...	...	...	1	1	3	3	1	1	...	...	1	...	2	2	4	8	4	3	...	...	...
3	...	...	...	...	...	...	...	6	2	4	1	...	...	...	...	...	...	4	8	3	...	...	...	...	...
4	3	1	...	...	...	...	...	1	3	3	...	...	...	...	...	...	...	1	1	3	1	...	...	...	...
5	2	...	...	...	...	...	...	2	6	9	5	2	1	1	...	...	2	3	9	17	9	3	2	...	...
6	1	...	...	...	...	...	...	...	...	7	...	1	1	...	...	...	...	2	10	6	2	1	...	...	...
7	...	...	1	...	...	...	...	3	4	4	3	2	...	...	...	...	...	4	7	8	4	4	2	...	...
8	2	...	...	...	...	...	...	1	5	7	2	1	...	...	...	...	...	7	8	4	4	...	...	...	...
9	...	...	...	...	...	...	...	...	2	1	1	...	...	1	...	1	...	...	3	3	5	2	...	...	...
10	5	...	...	...	...	...	...	1	4	5	1	1	1	...	...	...	...	4	7	5	2	...	...	...	...
11	5	2	1	1	...	...	...	...	6	3	3	...	1	...	...	...	...	2	3	4	3	3	1	1	...
12	7	...	1	...	...	...	1	6	14	10	4	4	...	1	...	...	...	1	15	21	21	11	7	1	...
13	2	1	...	...	...	...	...	2	8	3	1	2	...	...	...	...	...	2	8	6	5	5	...	...	...
14	...	...	...	...	...	...	1	...	6	9	7	3	...	...	...	...	...	4	8	8	4	3	1	...	...
15	1	...	...	...	...	...	...	1	5	4	2	...	...	...	...	...	...	2	2	4	3	2	...	...	...
16	...	...	...	...	...	...	...	3	6	4	4	1	...	...	...	...	...	5	16	6	5	...	...	...	...
17	...	...	...	...	...	...	1	5	3	4	...	...	...	...	...	...	...	7	9	5	3	...	...	1	...
18	...	1	...	...	1	...	...	...	...	3	2	2	...	...	...	...	...	1	3	1	5	1	1	...	...
19	...	...	...	...	...	...	...	3	4	2	2	...	...	...	...	...	...	5	6	3	3	1	...	...	...
20	2	...	...	...	...	...	2	3	5	2	...	...	...	...	...	...	2	3	3	8	7	1	...	...	...
21	...	...	...	...	...	...	1	3	4	6	4	2	...	...	...	...	...	6	6	6	4	5	...	1	...
22	...	1	...	...	...	...	1	...	7	2	6	2	1	1	...	...	...	...	5	11	10	8	...	...	2
23	...	...	...	...	...	...	...	1	1	1	2	...	...	...	...	...	...	2	7	9	3	...	...	...	...
24	...	...	...	...	...	...	...	...	1	1	...	1	...	1	...	1	1	4	1	1	1	1	...	...	...
25	2	...	...	...	...	...	1	4	5	2	...	...	...	...	...	...	1	2	5	5	4	...	...	...	...
26	...	...	...	...	...	1	2	3	4	4	1	...	...	...	...	...	5	7	4	6	...	2	...	...	...
27	...	...	...	...	...	...	...	2	3	6	2	...	...	...	...	...	...	2	2	6	2	1	...	...	...
28	12	3	...	...	...	...	1	2	9	18	8	5	4	...	...	...	1	7	16	18	9	9	2	2	1
29	1	...	...	...	...	...	1	...	2	1	2	...	...	...	...	...	...	2	2	2	4	1	...	...	...
30	1	...	...	...	...	...	1	1	2	3	...	1	1	...	...	...	...	2	3	3	2	1	...	...	...
31	2	...	...	...	...	...	...	5	9	8	4	...	...	...	...	...	1	3	8	15	3	1	...	...	...
32	1	...	...	...	...	...	...	4	7	1	1	2	...	...	...	...	...	2	4	6	2	1	...	...	...
33	1	...	...	1	...	...	2	4	2	1	3	1	...	...	...	...	5	12	11	6	6	2	2	...	...
34	1	...	...	...	...	...	1	...	1	2	5	2	1	...	...	...	...	3	4	6	5	2	1	...	...
35	...	...	...	...	...	...	...	...	1	2	...	...	...	...	1	...	...	1	...	9	1	...	1	...	...
36	1	...	...	...	...	...	1	...	2	5	1	3	1	...	...	...	2	6	7	9	4	2	...	...	...
37	1	...	...	...	...	...	1	1	6	5	2	...	...	...	...	...	1	5	5	8	1	...	...	...	...
38	4	...	...	...	...	...	...	5	5	3	4	1	...	...	...	...	...	4	7	4	2	3	...	...	...
39	2	...	1	...	...	...	...	...	2	4	...	...	...	...	...	...	...	1	2	6	2	4	...	...	...
40	2	...	...	...	...	...	...	1	3	6	1	2	...	...	...	...	...	1	2	5	1	1	...	...	...
41	...	...	...	...	...	...	...	2	3	1	2	...	...	...	...	...	...	5	6	8	4	2	...	...	...
42	1	...	1	...	...	...	...	3	4	7	6	2	2	...	...	...	...	1	8	10	8	1	...	...	...
43	1	1	...	...	...	...	...	1	4	5	5	2	...	...	...	...	...	5	7	8	1	1	...	...	...
44	...	...	...	...	...	...	2	2	4	...	...	...	...	...	...	4	3	2	6	1	...	...	...	...	...
45	...	...	...	...	...	...	...	2	1	1	3	...	...	1	...	...	...	...	1	4	2	...	...	...	...
46	1	...	...	...	...	...	...	2	2	6	2	1	...	...	...	...	...	3	6	7	...	...	...	...	...
47	1	...	...	...	...	...	...	1	...	6	2	1	...	...	...	...	2	3	8	2	4	2	...	...	...
48	3	...	1	...	...	...	1	2	7	2	6	1	...	1	...	...	...	4	7	5	5	...	...	...	...
49	2	...	...	...	...	...	2	2	5	5	6	2	...	1	...	...	...	1	10	7	2	...	2	...	...
50	...	...	...	...	...	...	1	2	5	4	2	1	...	...	...	1	1	4	6	8	4	3	...	...	...
51	...	1	...	...	...	...	1	4	2	3	1	1	...	...	...	...	2	5	10	4	4	2	...	...	...
52	4	1	...	...	1	...	...	1	4	4	2	2	1	...	...	...	...	3	5	6	1	2	1	...	...
53	5	5	...	...	...	...	...	...	2	5	4	2	2	...	2	...	...	1	1	8	13	6	1	...	...
54	...	...	...	...	...	...	...	1	8	7	3	1	...	...	...	...	...	3	8	12	3	...	...	...	...
55	3	1	...	...	...	...	...	1	...	1	4	3	...	...	...	...	...	2	5	4	6	1	...	1	...
56	3	3	...	...	...	...	...	1	2	3	13	7	1	1	...	...	...	3	5	15	9	3	...	...	...
57	...	...	...	...	...	...	...	4	9	10	5	3	2	...	...	...	...	3	7	3	...	...	...	...	...

COLLEGIATE INSTITUTES AND

IV. TABLE O—ATTENDANCE OF PUPILS BY

High Schools	Middle School																	
	Boys									Girls								
	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over
1 Alexandria	...	...	...	...	3	4	1	...	...	...	2	2	4	2	6	...	1	...
2 Alliston	...	...	...	1	1	2	4	...	...	...	...	1	1	4	6	4	5	...
3 Almonte	...	...	...	3	1	...	...	...	...	...	1	5	5	2	...	...	...	...
4 Amherstburg	...	1	...	2	...	1	2	...	1	...	...	2	3	7	3	2	...	...
5 Arnprior	...	...	2	4	4	7	5	3	2	...	1	4	10	18	8	2	2	...
6 Arthur	...	1	1	1	2	1	1	...	...	...	...	...	7	4	3	1	2	...
7 Athens	...	...	3	6	7	2	...	2	4	...	...	5	7	3	5	1	3	1
8 Aurora	...	2	...	2	1	4	2	1	2	...	...	6	8	4	2	2	1	...
9 Avonmore	...	...	1	1	1	...	...	...	...	...	...	...	3	3	4	3	...	...
10 Aylmer	...	...	5	3	4	3	...	...	...	...	...	3	5	8	3	...	...	...
11 Beamsville	...	...	1	1	4	6	1	1	1	...	1	2	4	5	5	...	2	...
12 Belleville	...	...	10	17	12	7	3	1	...	...	1	1	18	16	10	3	2	1
13 Bowmanville	...	...	4	7	5	2	...	...	...	...	...	3	8	4	6	3	2	1
14 Bracebridge	...	...	...	1	4	3	...	1	2	...	...	2	1	1	2	2	...	...
15 Bradford	...	...	...	2	2	3	1	...	...	...	...	1	5	1	5	1	...	...
16 Brampton	...	...	4	9	9	5	4	1	...	...	...	4	14	13	3	3	...	1
17 Brighton	...	2	5	2	...	...	1	1	...	...	2	1	4	2	7	...	1	...
18 Burford	...	...	...	...	2	...	...	...	1	...	1	1	...	1	1	1	3	...
19 Burlington	...	...	1	2	3	...	1	...	...	...	...	1	3	3	2	...	...	...
20 Caledonia	...	...	...	2	3	4	...	1	...	...	...	3	9	6	7	...	2	...
21 Campbellford	1	1	3	7	5	5	...	...	...	...	1	4	15	9	5	1	...	1
22 Carleton Place	...	...	2	1	4	3	2	3	2	...	...	...	8	6	9	4	1	1
23 Cayuga	...	1	2	...	1	...	...	...	...	...	...	4	1	3	...	...	...	...
24 Chatsworth	...	...	1	...	2	1	...	1	...	...	...	1	...	...	1	1	...	...
25 Chesley	...	...	...	6	7	7	3	...	...	...	...	...	3	10	3	3	...	1
26 Chesterville	...	...	...	5	3	2	...	...	...	...	...	2	2	4	6	5	1	...
27 Colborne	...	...	...	...	5	3	1	1	1	...	1	...	1	5	4	1	1	...
28 Cornwall	...	...	4	10	5	5	1	2	...	...	...	3	6	27	9	7	5	1
29 Deseronto	...	...	...	1	3	2	...	...	1	...	...	1	4	2	1	1	1	...
30 Dundalk	...	...	1	...	1	2	2	...	...	...	...	1	2	2	6	3	...	...
31 Dundas	...	...	...	6	5	3	...	1	1	...	...	1	3	3	1	...	...	...
32 Dunnville	...	...	...	4	5	6	2	...	...	...	...	4	9	13	5	2	...	...
33 Durham	...	2	1	7	2	1	...	...	...	...	...	1	3	2	4	1	2	1
34 Dutton	...	...	1	1	4	4	1	1	...	...	1	1	4	5	1	1	2	...
35 Elora	...	...	2	2	1	1	...	...	...	...	1	...	2	6	1	2	...	...
36 Essex	...	1	...	2	2	...	1	2	...	...	...	6	4	3	3	1	...	...
37 Exeter	1	1	2	4	3	4	...	...	...	...	...	2	6	4	4	3	...	1
38 Fergus	...	1	1	3	4	3	2	...	...	...	1	3	2	7	9	1	1	...
39 Flesherton	...	...	2	2	...	1	1	...	...	...	...	3	5	5	4	...	1	...
40 Forest	...	...	...	5	2	3	2	...	...	...	...	2	2	9	4	3	2	1
41 Fort Frances	...	1	1	2	1	1	...	...	...	...	...	...	2	3	8	2	1	...
42 Gananoque	...	...	1	5	5	2	1	...	...	...	...	2	2	7	5	2	...	...
43 Georgetown	...	...	...	2	3	4	3	1	...	...	...	...	2	7	3	1	...	...
44 Glencoe	...	...	...	4	1	2	2	...	...	...	...	2	2	3	4	2	2	...
45 Gravenhurst	...	...	...	1	...	1	1	2	...	...	...	...	1	1	1	2	2	...
46 Grimsby	...	1	3	6	9	6	2	...	1	...	1	3	4	10	1	1	1	1
47 Hagersville	...	...	1	6	3	4	4	...	...	...	...	4	5	5	4	5	1	...
48 Haileybury	...	...	1	1	3	2	...	2	1	...	...	1	6	5	2	1	1	...
49 Harriston	...	...	1	9	3	5	...	1	...	...	1	...	4	5	3	...	2	...
50 Hawkesbury	...	...	2	3	3	...	2	1	...	...	...	...	3	3	2	2	...	...
51 Iroquois	...	...	1	3	4	3	1	...	...	...	...	1	4	10	10	1	...	...
52 Kemptville	...	1	...	3	2	2	2	1	...	...	1	2	3	4	8	3	4	2
53 Kenora	...	...	2	1	5	1	3	...	...	...	...	1	2	6	2	3	...	1
54 Kincardine	...	...	...	7	3	1	...	...	...	...	...	...	5	7	9	2	...	...
55 Kingsville	...	...	...	1	7	3	4	2	...	...	...	...	1	5	4	...	...	1
56 Leamington	...	...	1	4	6	7	3	2	1	...	...	4	7	6	2	4	1	1
57 Listowel	...	...	1	6	3	1	2	...	1	...	...	3	7	4	4	1	...	...

HIGH SCHOOLS (Continued)

AGE, SEX AND GRADE (Continued)

	Upper School																Boys	Girls	Total No. Enrolled
	Boys								Girls										
	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over			
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	47	80	127
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	34	78	112
3	...	...	2	3	...	...	...	...	...	...	1	3	2	1	...	...	49	80	129
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	25	42	67
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	91	143	234
6	...	...	...	1	1	...	2	...	...	...	...	...	1	3	...	...	44	70	114
7	...	...	...	1	...	1	...	...	...	...	1	1	3	...	...	...	64	84	148
8	...	...	2	1	1	1	...	1	...	...	...	2	3	...	2	...	71	89	160
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18	34	52
10	...	...	...	...	2	...	...	...	...	...	2	1	4	2	...	...	54	77	131
11	...	1	...	5	2	1	1	2	...	...	1	3	3	1	2	...	62	74	136
12	...	...	1	2	5	3	3	...	...	...	...	1	1	7	1	...	170	221	391
13	...	...	...	1	6	...	...	1	...	...	3	1	5	1	...	1	63	104	167
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	55	59	114
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	37	43	80
16	...	...	...	...	1	3	2	...	...	...	1	...	3	...	...	2	89	113	202
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	33	65	98
18	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	23	44	67
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	39	45	84
20	...	...	2	...	...	...	...	...	...	...	1	3	1	2	...	...	53	94	147
21	...	...	2	6	3	3	...	...	...	...	2	2	5	3	...	...	72	100	172
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	78	114	192
23	...	...	1	...	1	1	1	...	...	...	2	2	2	1	...	...	28	52	80
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19	27	46
25	...	...	...	1	3	2	2	4	...	...	...	3	2	1	...	...	70	67	137
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	45	53	98
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	29	47	76
28	...	...	...	7	2	2	...	...	...	2	...	5	3	2	1	...	132	211	343
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	29	37	66
30	...	...	...	2	...	...	...	1	...	...	2	1	...	...	...	...	28	53	81
31	...	...	...	1	2	1	...	1	...	...	1	2	2	1	1	...	79	81	160
32	...	...	...	1	2	1	1	...	...	...	...	...	1	1	...	...	54	71	125
33	...	...	1	...	1	2	...	...	...	...	...	...	...	1	...	...	41	88	129
34	...	...	3	1	2	1	1	1	...	...	4	5	2	2	...	...	53	75	128
35	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	21	37	58
36	...	...	...	...	1	1	...	...	...	...	1	2	1	2	...	1	38	75	113
37	...	1	1	1	1	...	...	...	...	...	...	1	3	...	...	...	59	63	122
38	...	...	1	2	3	2	...	1	...	...	...	...	3	1	...	...	72	73	145
39	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19	45	64
40	...	...	1	...	2	...	...	1	...	...	...	3	2	2	2	...	50	70	120
41	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	38	79	117
42	...	...	...	3	1	...	...	...	...	...	...	...	...	...	...	...	67	83	150
43	...	...	1	2	2	2	...	...	...	...	1	1	2	2	...	...	57	68	125
44	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	42	52	94
45	...	...	1	...	1	1	1	...	...	...	...	...	...	1	...	1	22	28	50
46	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	65	64	129
47	...	...	1	1	2	1	...	...	...	...	...	2	...	...	...	...	59	75	134
48	...	...	...	1	2	1	...	...	...	...	...	1	...	1	...	...	71	79	150
49	...	...	...	3	4	3	...	...	...	...	1	3	...	...	...	...	69	63	132
50	...	...	...	1	1	...	...	...	...	...	...	...	2	...	...	...	37	54	91
51	...	...	...	2	2	1	...	...	...	...	...	...	1	...	...	...	42	70	112
52	...	1	1	...	1	1	...	1	...	...	...	1	2	1	1	...	56	86	142
53	...	...	1	1	3	...	...	...	...	...	...	...	1	...	...	...	71	86	157
54	...	...	2	6	2	1	...	1	...	...	1	3	10	...	...	...	88	96	184
55	...	...	...	...	1	...	1	...	1	...	...	...	1	...	...	...	53	49	102
56	...	1	...	3	2	...	...	...	...	...	3	2	3	1	1	...	104	121	225
57	...	...	1	3	4	2	...	1	...	...	1	5	3	1	1	...	84	80	164

COLLEGIATE INSTITUTES AND

IV. TABLE O—ATTENDANCE OF PUPILS BY

High Schools	Lower School, Form I																		
	Boys												Girls						
	10 years	11 years	12 years	13 years	14 years	15 years	15 years	17 years	18 years	19 years	20 years	21 and over	10 years	11 years	12 years	13 years	14 years	15 years	16 years
58 Lucan	...	...	...	1	5	9	5	2	...	...	...	...	...	...	1	5	4	9	3
59 Madoc	...	...	...	...	7	8	4	...	...	...	...	...	...	...	...	3	6	6	8
60 Markdale	...	...	2	4	4	3	1	1	...	...	...	...	...	...	3	5	4	3	...
61 Markham	...	...	...	4	6	2	...	...	...	...	...	...	...	...	...	13	14	5	...
62 Meaford	...	...	...	5	7	7	5	2	1	...	...	...	...	...	...	3	10	15	4
63 Midland	...	...	...	3	8	5	5	10	2	...	...	...	...	...	...	5	5	14	5
64 Milton	...	...	1	6	10	13	4	2	...	...	...	...	...	...	4	6	11	9	...
65 Mitchell	...	...	1	1	11	5	3	...	...	...	...	...	...	...	...	2	15	9	3
66 Morewood	...	...	...	2	1	1	1	...	...	...	...	...	...	...	...	1	3	1	1
67 Mount Forest	...	...	1	3	4	9	1	3	...	...	...	...	...	...	1	5	6	12	3
68 Newburgh	...	1	2	1	4	4	1	...	...	...	...	...	1	...	...	7	10	4	2
69 Newcastle	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	1	6	...
70 Newmarket	...	...	1	...	8	14	17	10	2	...	...	...	...	...	1	4	7	20	11
71 Niagara	...	...	...	...	2	2	1	1	...	1	...	...	...	...	...	1	...	2	2
72 Niagara Falls S.	...	...	1	3	8	17	7	1	...	...	...	...	...	...	2	7	12	6	5
73 Norwich	...	...	...	2	3	2	4	2	1	...	...	...	...	...	...	4	9	6	7
74 Norwood	...	...	...	3	5	3	4	1	...	...	...	...	...	...	...	3	7	5	3
75 Oakville	...	...	...	4	7	7	11	3	3	...	...	...	...	...	...	2	8	6	4
76 Omemee	...	...	2	2	1	2	1	...	...	...	...	...	...	...	1	2	2	5	4
77 Orangeville	...	...	...	1	4	8	5	4	1	1	1	...	...	...	...	3	12	14	21
78 Oshawa	...	...	3	7	17	9	20	4	6	...	...	...	...	...	1	5	17	18	19
79 Paris	...	...	1	12	8	4	4	...	1	...	...	1	...	...	1	8	13	4	4
80 Parkhill	...	...	...	1	6	4	4	1	...	...	...	...	...	...	1	5	6	4	2
81 Parry Sound	...	...	...	1	5	12	5	5	1	...	...	...	...	...	1	4	11	9	6
82 Pembroke	...	...	...	6	6	12	12	3	5	1	...	...	...	...	...	1	8	11	4
83 Penetanguishene	...	...	...	1	3	8	2	2	1	...	...	...	...	...	2	1	3	15	6
84 Petrolia	...	...	...	5	12	16	8	1	...	...	...	...	...	...	...	5	10	12	4
85 Plantagenet	...	...	...	5	1	2	1	...	...	...	...	...	...	1	1	2	5	1	3
86 Port Dover	...	...	...	...	5	3	3	...	...	...	...	...	...	...	2	3	4	1	3
87 Port Elgin	...	...	...	6	6	5	4	1	...	...	...	...	...	...	1	5	7	6	7
88 Port Hope	...	1	1	3	11	9	4	2	...	...	...	...	...	...	...	7	17	10	7
89 Port Perry	...	...	1	...	4	6	5	3	...	...	...	...	...	...	2	2	6	2	10
90 Port Rowan	...	...	...	3	3	4	2	1	...	...	1	...	...	...	...	2	5	3	2
91 Prescott	...	...	...	2	5	5	5	3	...	...	...	...	...	...	2	2	10	13	6
92 Richmond Hill	...	...	2	5	7	9	3	2	1	...	...	...	...	1	3	3	6	4	4
93 Ridgetown	...	...	1	3	3	6	11	5	1	...	...	...	...	...	1	5	10	10	14
94 Rockland	...	...	1	3	3	2	...	...	...	...	...	...	...	...	...	...	4	5	1
95 Sault Ste. Marie	...	...	2	6	19	30	20	4	...	...	...	...	...	...	...	7	35	40	23
96 Shelburne	...	...	...	3	3	3	...	...	1	...	...	...	...	...	...	3	8	7	9
97 Simcoe	...	...	1	7	6	9	1	...	...	...	...	...	...	...	2	10	14	8	3
98 Smithville	...	...	...	3	7	5	...	1	...	...	...	...	...	...	4	8	6	6	...
99 Stirling	...	...	2	4	8	1	2	...	...	...	...	...	...	...	2	7	7	6	1
100 Streetsville	...	...	...	1	7	5	7	...	...	...	...	...	...	...	...	3	5	5	3
101 Sudbury	...	...	...	6	6	7	3	1	1	...	...	...	...	...	...	4	7	9	7
102 Sydenham	...	...	...	1	5	3	4	...	...	1	...	...	...	...	1	2	8	12	7
103 Thorold	...	...	...	2	9	8	4	3	...	...	...	...	...	...	...	3	9	7	4
104 Tillsonburg	...	...	...	4	9	9	4	4	...	...	...	...	...	...	...	7	14	14	8
Toronto—																			
105 Davenport	...	1	2	14	24	20	9	1	...	...	1	...	...	...	1	6	19	19	4
106 North	...	...	2	17	31	30	14	4	...	...	...	...	...	...	2	15	42	39	17
107 Trenton	...	...	...	4	8	13	8	5	...	...	...	...	...	...	...	2	16	16	15
108 Tweed	...	...	...	1	3	6	4	2	1	1	...	...	...	...	...	3	3	9	2
109 Uxbridge	...	...	1	3	15	9	3	2	1	...	...	...	...	...	...	4	4	9	5
110 Vienna	...	...	...	1	1	1	...	...	...	...	...	...	...	...	...	2	...	1	1
111 Walkerton	...	...	...	1	3	5	3	1	...	...	...	...	...	...	...	1	5	5	4
112 Wallaceburg	...	...	2	5	8	10	6	1	...	...	...	...	...	...	2	10	15	9	8
113 Wardsville	...	...	...	...	1	2	1	1	1	1	...	...	...	...	...	...	3	3	3

HIGH SCHOOLS (Continued)

AGE, SEX AND GRADE (Continued)

						Lower School, Form II																			
						Boys										Girls									
	17 years	18 years	19 years	20 years	21 and over	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over
58	4	...	...	...	...	...	...	...	5	4	5	2	...	...	1	...	...	...	3	4	4	2	...	...	...
59	1	1	...	...	...	...	...	...	3	3	...	1	...	...	...	...	...	5	3	8	3	4	2	...	...
60	...	...	...	...	...	...	4	4	3	...	...	...	...	...	...	2	2	7	8	2	...	...	...	...	...
61	...	...	...	...	...	...	...	2	7	2	...	...	...	...	...	...	...	6	10	1	...	3	2	...	...
62	1	1	...	...	...	...	...	1	5	2	2	1	2	...	...	...	...	2	7	10	4	1	...	...	...
63	7	1	...	...	...	...	...	1	3	6	5	...	...	...	...	...	...	2	6	7	8	4	1	...	...
64	1	1	...	...	...	...	...	4	2	3	2	...	...	...	...	...	1	2	8	11	3	1	...	...	...
65	...	...	...	...	...	...	...	1	4	5	1	...	...	...	...	...	...	2	8	4	2	...	...	...	...
66	2	...	...	...	...	...	...	1	2	1	1	3	...	1	...	1	...	3	1	1	2	1	1	...	...
67	1	2	...	...	...	...	...	1	2	4	2	1	...	1	...	...	...	1	10	6	3	2	1	...	...
68	1	...	...	...	...	...	1	1	3	3	...	...	...	...	...	2	2	2	4	1	2	2	...	...	...
69	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...	1	1	...	...	1	...	...	...
70	6	1	1	...	...	...	...	...	4	6	10	4	1	...	1	...	1	1	4	9	9	3	1	...	...
71	1	...	...	...	...	...	...	1	...	5	...	...	2	...	...	...	...	...	1	3	1	...	...	...	...
72	1	1	...	...	...	...	2	1	13	3	1	2	1	...	...	...	1	4	5	14	11	4	...	...	...
73	...	1	...	...	...	...	4	7	9	5	2	2	...	...	...	...	1	3	6	2	2	...	...	...	...
74	3	...	1	...	...	...	...	1	3	5	8	1	1	...	...	...	...	3	7	6	3	5	...	1	...
75	2	...	...	...	...	...	...	2	5	9	4	1	...	...	...	...	...	1	7	6	8	3	...	...	...
76	...	...	...	...	...	...	...	1	1	4	...	...	...	...	...	...	1	3	2	4	...	1	...	...	1
77	10	...	...	...	...	...	...	...	3	8	4	...	2	...	...	...	...	1	5	10	4	4	...	...	...
78	7	1	...	...	...	...	1	3	4	14	9	8	4	...	...	...	...	4	18	27	17	10	...	...	...
79	...	...	...	...	...	...	2	5	5	1	2	1	...	...	...	...	1	11	11	8	2	2	...	...	...
80	1	1	...	...	...	...	...	4	2	5	3	1	...	...	...	...	1	4	2	6	8	1	...	1	...
81	3	1	...	...	...	...	1	3	3	8	5	1	1	...	...	...	...	...	2	2	11	6	4	...	...
82	2	1	...	...	...	...	1	2	2	5	3	2	1	...	1	...	...	...	4	11	6	4	1	...	1
83	3	1	...	...	...	...	...	...	2	1	4	2	...	...	...	...	...	1	...	10	...	...	...	1	1
84	3	...	...	...	...	...	...	...	6	6	5	...	...	...	...	...	...	5	6	8	2	...	...	...	...
85	...	...	...	...	...	...	1	1	2	1	1	...	...	...	...	1	2	2	5	...	...	...	...	...	...
86	...	...	...	...	...	...	...	...	2	1	2	2	1	...	...	...	1	3	3	...	1	...	...	...	...
87	1	...	...	...	...	...	...	2	2	...	1	...	...	...	...	...	1	1	5	7	2	...	...	...	...
88	3	...	...	...	...	...	...	2	6	5	3	1	...	...	...	...	...	3	10	15	4	6	1	...	...
89	1	1	1	...	...	...	1	2	...	3	1	2	...	...	1	...	...	2	2	7	1	...	...	...	...
90	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	1	2	2	...	...	...	...	...
91	3	...	...	...	...	...	1	5	1	7	2	...	...	...	...	...	1	2	5	9	6	...	...	...	...
92	1	1	...	...	...	...	1	3	9	5	3	1	...	...	...	1	2	3	2	4	3	...	1	...	...
93	3	...	...	...	...	...	1	3	4	6	9	...	...	...	...	...	...	1	10	11	3	...	...	...	...
94	...	2	...	...	...	...	...	...	...	2	2	1	1	...	...	...	...	1	1	1	3	...	...	...	...
95	11	6	1	...	...	...	...	4	12	14	8	4	1	...	...	...	1	7	17	32	22	5	2	...	...
96	...	...	...	...	...	...	...	...	...	5	...	...	...	...	2	...	...	1	3	1	1	1	1	1	...
97	1	2	...	...	...	...	2	7	8	4	1	...	...	...	...	...	...	4	12	7	...	...	...	...	...
98	...	...	...	...	...	...	...	5	2	4	...	1	1	...	1	...	...	3	3	4	1	3	1	...	...
99	...	...	...	...	...	...	2	2	4	1	1	1	...	...	...	...	1	7	9	8	4	...	...	...	...
100	3	2	...	...	...	...	...	...	3	4	1	1	...	...	...	...	...	...	4	4	1	1	...	...	...
101	2	1	...	...	...	...	...	2	5	6	6	...	1	...	...	...	1	1	3	7	5	1	...	...	1
102	2	...	...	...	...	...	...	...	3	3	6	4	...	...	...	...	1	2	5	11	5	5	3	...	...
103	1	...	...	...	...	...	...	...	3	7	1	1	...	...	...	...	...	...	4	6	8	1	...	...	...
104	1	...	...	...	...	...	...	2	2	...	1	...	...	...	...	...	...	3	10	7	1	...	...	...	...
105	...	...	...	...	...	...	1	9	15	19	10	2	...	...	...	...	1	12	12	6	3	...	...	...	...
106	5	...	...	...	...	...	2	7	23	16	7	2	...	...	...	...	2	12	18	27	8	...	...	...	...
107	2	1	1	...	...	...	...	1	3	5	9	1	...	...	...	...	...	...	5	11	4	...	...	...	...
108	2	...	...	...	...	...	...	3	6	2	1	...	...	...	...	...	...	1	3	5	3	1	...	...	...
109	2	1	...	...	...	...	1	2	3	9	4	2	...	...	1	...	...	5	1	9	7	2	...	...	...
110	...	...	...	...	...	...	...	...	1	3	...	...	...	...	...	...	...	...	1	3	2	...	...	...	...
111	...	...	...	...	...	...	1	2	5	2	1	1	...	...	...	...	...	4	11	7	10	3	...	2	...
112	...	...	...	...	...	...	2	5	4	6	2	...	...	...	...	...	1	6	16	9	...	...	...	...	...
113	2	1	1	...	...	...	...	...	...	1	1	1	1	1	...	...	1	...	1	3	...	1	1	...	1

COLLEGIATE INSTITUTES AND

IV. TABLE O—ATTENDANCE OF PUPILS BY

High Schools	Middle School																	
	Boys									Girls								
	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over
58 Lucan	...	...	1	7	3	6	1	...	...	...	...	1	1	3	4	1	...	...
59 Madoc	...	...	...	2	5	...	1	2	...	...	...	1	7	6	7	1	...	...
60 Markdale	...	...	...	5	...	...	...	...	1	...	...	3	4	3	...	...	...	1
61 Markham	...	...	1	3	12	3	1	1	...	...	...	...	...	11	4	1	1	1
62 Meaford	...	1	1	7	3	1	1	...	1	...	...	2	2	6	7	2	...	...
63 Midland	...	...	...	4	4	3	4	...	...	...	...	1	5	4	7	4	...	...
64 Milton	...	...	2	3	4	1	...	1	...	...	...	6	8	8	1	...	...	...
65 Mitchell	...	...	...	3	5	4	4	...	1	...	1	2	5	6	2	1	1	...
66 Morewood	...	...	1	2	1	1	2	...	...	...	...	...	1	2	3	2	1	...
67 Mount Forest	...	...	...	1	5	1	2	2	1	...	...	1	4	8	4	...	...	...
68 Newburgh	...	1	2	2	...	1	1	...	...	...	3	1	6	10	6	1	...	...
69 Newcastle	...	...	2	...	1	...	1	...	...	...	...	...	3	...	2	...	...	...
70 Newmarket	...	...	1	4	2	4	3	...	6	...	...	1	2	3	3	3	2	1
71 Niagara	...	...	...	1	4	3	...	...	...	...	...	...	...	...	3	1	...	...
72 Niagara Falls South	...	...	3	6	5	1	1	...	...	...	...	3	4	1	1	1	1	...
73 Norwich	...	...	2	1	5	4	...	...	...	...	1	1	5	2	6	1	1	...
74 Norwood	...	...	1	2	2	2	2	...	1	...	...	1	1	4	2	...	...	...
75 Oakville	...	...	...	4	8	6	1	1	1	...	...	2	2	3	9	6	1	...
76 Omemee	...	...	...	...	...	1	...	...	...	...	...	3	1	2	3	1	...	...
77 Orangeville	...	...	1	1	4	9	5	1	...	...	...	...	4	8	6	5	4	...
78 Oshawa	...	...	3	6	6	7	4	1	...	...	...	1	6	8	5	4	1	2
79 Paris	...	...	2	2	1	...	...	...	2	...	...	4	7	2	1	...	...	1
80 Parkhill	1	1	1	1	3	6	2	2	...	...	...	1	3	4	3	3	2	...
81 Parry Sound	...	...	...	3	1	1	1	...	1	...	1	...	7	2	3	5	...	...
82 Pembroke	...	1	1	7	12	5	2	3	3	...	...	...	4	10	2	4	2	...
83 Penetanguishene	...	...	...	1	2	5	...	...	...	...	...	...	...	1	3	2	...	...
84 Petrolia	...	...	2	7	3	9	3	1	...	...	...	6	9	10	7	2	...	1
85 Plantagenet	...	1	1	1	2	1	1	...	...	...	...	...	3	2	1	...	...	...
86 Port Dover	...	...	2	4	2	1	...	...	...	...	...	2	3	4	...	3	1	...
87 Port Elgin	...	...	...	1	1	2	...	...	...	...	1	2	3	1	3	2	...	...
88 Port Hope	...	...	1	5	9	1	...	...	3	...	...	3	5	10	5	3	1	...
89 Port Perry	...	...	1	5	5	1	...	...	...	...	...	...	2	2	2	1	...	...
90 Port Rowan	...	...	...	3	...	1	1	...	...	...	...	2	...	...	1	2	...	...
91 Prescott	...	...	1	5	7	1	1	...	...	...	...	1	2	2	5	1	1	...
92 Richmond Hill	...	...	2	6	4	1	...	...	...	...	1	4	6	3	1	...	...	...
93 Ridgetown	...	...	...	4	3	3	1	1	...	...	...	1	5	8	3	3	...	...
94 Rockland	...	...	...	...	...	1	1	1	2	...	...	...	1	2	...	1	...	...
95 Sault Ste. Marie	...	...	2	12	16	11	2	1	1	...	...	3	13	16	7	4	1	1
96 Shelburne	...	...	2	1	3	4	2	1	2	...	...	1	2	4	2	6	1	...
97 Simcoe	1	...	5	7	8	5	...	...	2	...	...	9	12	9	4	2	...	...
98 Smithville	...	...	1	1	1	2	...	...	...	...	...	...	5	1	1	1	1	...
99 Stirling	...	...	1	6	3	2	...	...	...	...	...	6	8	4	2	...	...	...
100 Streetsville	...	...	...	1	3	...	...	...	...	...	...	1	4	1	2	...	...	...
101 Sudbury	...	2	2	3	3	5	...	...	...	...	...	3	3	8	8	...	1	...
102 Sydenham	...	...	1	...	2	...	5	1	7	...	...	1	5	5	4	6	1	1
103 Thorold	...	...	2	1	2	1	3	1	...	...	...	2	4	2	...	...	...	...
104 Tillsonburg	...	...	5	8	5	4	1	2	...	...	2	9	7	7	2	1	...	...
Toronto—																		
105 Davenport	...	2	11	19	14	9	...	...	1	...	...	3	15	14	8	3	...	...
106 North	1	2	7	20	19	23	7	...	...	...	1	7	15	20	10	5	...	...
107 Trenton	...	...	1	2	5	3	2	3	...	...	...	2	5	10	14	5	1	...
108 Tweed	...	...	...	...	3	1	1	...	...	...	...	...	2	7	5	2	2	1
109 Uxbridge	...	2	...	2	3	...	1	1	...	...	1	3	10	8	6	...	...	...
110 Vienna	...	...	...	...	2	...	...	...	...	...	...	...	1	...	...	1	2	...
111 Walkerton	...	2	3	3	1	...	...	...	1	...	...	...	4	4	1	1	2	...
112 Wallaceburg	...	...	2	2	2	4	2	1	...	...	...	4	13	5	4	...	...	...
113 Wardsville	...	...	...	...	1	1	1	...	...	...	...	...	1	1	1	3	1	...

HIGH SCHOOLS (Continued)

AGE, SEX AND GRADE (Continued)

	Upper School																Boys	Girls	Total No. Enrolled
	Boys								Girls										
	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over			
58	...	...	1	1	...	2	...	...	...	...	...	1	1	...	...	...	61	51	112
59	...	...	...	1	4	1	2	1	...	...	1	1	...	...	...	...	45	74	119
60	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	36	47	83
61	...	...	...	4	2	1	1	...	...	...	...	3	5	1	3	...	52	84	136
62	...	...	...	1	2	1	...	...	...	...	...	2	3	...	...	...	59	82	141
63	1	...	1	...	2	2	...	...	...	...	...	3	1	2	...	1	69	93	162
64	...	...	1	1	1	...	...	...	...	...	1	1	1	1	...	...	61	85	146
65	...	...	...	1	1	...	1	...	...	...	...	2	...	...	...	...	52	65	117
66	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	21	27	48
67	...	...	1	...	2	2	...	...	...	...	1	2	...	...	...	...	49	73	122
68	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	28	67	95
69	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11	15	26
70	...	...	...	1	1	2	7	3	...	...	1	2	2	...	...	1	112	100	212
71	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	23	15	38
72	...	...	3	...	1	3	...	1	...	...	...	...	...	...	1	...	84	85	169
73	...	...	...	1	...	1	...	...	...	...	3	2	...	...	...	...	57	63	120
74	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	45	55	100
75	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	77	70	147
76	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15	36	51
77	...	...	...	2	1	...	1	...	...	...	...	2	3	2	1	...	67	119	186
78	...	...	...	1	4	3	1	1	...	1	4	3	2	1	...	...	146	182	328
79	...	1	1	3	...	...	...	...	...	2	3	1	1	...	...	...	59	87	146
80	...	...	...	2	...	1	2	1	...	...	...	2	...	2	...	...	54	63	117
81	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	58	78	136
82	...	...	...	2	2	2	2	...	...	...	...	2	1	...	...	...	104	79	183
83	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	34	50	84
84	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	84	90	174
85	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	22	29	51
86	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	28	34	62
87	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	31	55	86
88	...	...	...	3	3	1	...	1	...	...	...	...	1	4	...	...	75	115	190
89	...	...	2	...	3	1	...	1	...	...	1	2	2	...	...	...	48	49	97
90	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	20	23	43
91	...	...	...	3	3	...	...	...	...	...	...	1	...	1	...	...	57	73	130
92	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	64	54	118
93	...	...	...	2	4	1	1	...	...	...	...	3	1	...	...	...	73	92	165
94	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	20	22	42
95	...	...	...	2	5	4	...	...	...	...	1	1	1	...	...	...	180	257	437
96	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	32	52	84
97	...	...	3	4	1	1	1	1	...	1	5	5	3	1	1	...	85	115	200
98	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	35	48	83
99	...	...	1	2	...	...	...	...	...	...	2	1	...	...	...	...	43	75	118
100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	33	39	72
101	...	...	...	1	1	1	2	...	...	...	1	3	...	...	...	...	64	76	140
102	...	...	...	1	4	1	...	1	...	...	...	1	...	...	...	...	53	88	141
103	...	...	...	5	1	2	1	...	...	...	...	...	...	...	...	...	57	51	108
104	...	...	...	1	2	2	3	...	...	...	...	1	2	...	...	...	68	96	164
105	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	184	126	310
106	...	1	2	4	6	3	1	...	1	2	3	4	1	...	...	...	251	256	507
107	...	...	...	...	1	1	...	1	...	...	...	1	1	4	1	...	76	117	193
108	...	...	...	...	...	...	...	...	...	...	1	3	2	1	...	...	35	58	93
109	...	2	3	...	...	...	2	1	1	2	1	1	1	...	...	...	73	83	156
110	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9	14	23
111	...	1	1	2	...	...	...	...	...	...	1	...	3	...	...	...	39	68	107
112	...	...	...	1	1	2	1	...	...	...	...	2	2	...	...	...	69	106	175
113	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15	28	43

COLLEGIATE INSTITUTES AND

IV. TABLE O—ATTENDANCE OF PUPILS BY

High Schools	Lower School, Form I																		
	Boys												Girls						
	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	10 years	11 years	12 years	13 years	14 years	15 years	16 years
114 Waterdown	...	...	1	2	4	5	2	5	...	...	...	...	...	...	...	3	7	7	3
115 Waterford	...	...	...	1	6	4	2	...	...	...	...	...	...	...	...	2	10	2	1
116 Watford	...	...	...	...	5	12	4	2	...	...	...	...	...	...	...	3	6	11	1
117 Welland	...	...	1	4	15	10	8	2	...	...	...	...	...	...	...	8	13	23	2
118 Weston	...	...	...	14	13	32	19	7	4	...	...	...	...	...	...	7	27	26	15
119 Whitby	...	...	2	4	8	10	7	4	...	...	...	...	...	...	1	3	13	10	2
120 Wiarton	...	...	1	4	7	3	6	1	...	...	...	...	...	...	...	2	4	5	2
121 Williamstown	...	...	2	2	4	2	3	3	...	...	...	...	...	...	2	5	3	3	3
122 Winchester	...	...	2	3	5	2	5	3	1	...	...	...	...	1	1	5	8	10	2
123 Wingham	...	...	...	3	8	10	7	3	1	...	...	...	...	...	...	3	8	17	7

HIGH SCHOOLS (Continued)

AGE, SEX AND GRADE (Continued)

						Lower School, Form II																			
						Boys										Girls									
	17 years	18 years	19 years	20 years	21 and over	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over
114	1	..	..	..	..	...	...	3	1	1	3	1	1	..	....	..	...	2	4	6	8	1	..	..	....
115	1	..	..	..	..	...	...	3	7	1	2	...	..	..	1	..	...	...	3	2	4	1	..	..	....
116	1	..	..	..	..	...	...	...	5	2	4	1	..	1	....	..	...	1	3	6	3	2	1	..	....
117	1	..	..	..	..	...	1	5	6	12	2	12	..	..	....	..	1	14	13	12	10	13	3	..	....
118	4	2	1	..	..	...	...	5	14	9	5	3	..	..	....	..	...	1	9	22	13	5	1	..	....
119	3	..	..	..	..	...	...	3	5	8	4	3	..	..	....	..	1	2	7	13	4	3	..	..	....
120	3	1	..	..	..	...	...	...	...	3	2	...	..	..	....	..	...	2	...	8	1	3	..	..	....
121	2	..	..	..	..	...	...	1	2	4	2	...	..	..	....	..	1	3	6	2	3	...	..	..	....
122	1	3	..	..	..	...	...	...	2	3	...	2	2	..	....	..	...	5	5	5	3	2	1	..	....
123	2	..	..	..	..	...	...	...	3	4	2	1	..	..	....	..	...	2	9	4	9	...	1	..	....

COLLEGIATE INSTITUTES AND

IV. TABLE O—ATTENDANCE OF PUPILS BY

High Schools	Middle School																	
	Boys									Girls								
	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over
114 Waterdown	...	...	...	4	3	1	...	...	...	...	...	...	3	3	2	...	...	...
115 Waterford	...	...	...	3	3	1	...	...	...	...	...	2	1	3	3	...	...	...
116 Watford	...	...	...	2	2	4	1	1	...	...	...	...	2	6	4	2	1	1
117 Welland	...	...	1	2	10	10	5	4	2	...	...	2	7	7	3	2	1	...
118 Weston	...	...	...	7	9	10	5	1	...	...	...	3	5	11	15	1	3	...
119 Whitby	...	...	...	4	12	4	3	...	...	...	1	1	4	6	4	...	...	...
120 Wiarton	...	2	1	1	7	2	5	...	...	...	2	4	3	5	1	1	1	3
121 Williamstown	...	1	1	3	2	1	1	2	...	...	...	2	8	7	3	3	2	...
122 Winchester	...	...	1	5	6	5	6	3	...	...	2	1	7	2	6	7	...	1
123 Wingham	...	...	...	1	9	4	3	...	2	...	...	...	10	7	3	5	...	...

SUMMARY OF ATTENDANCE

		10 yrs.	11 yrs.	12 yrs.	13 yrs.
LOWER SCHOOL Form I	Boys...	2	19	204	1,056
	Girls...	1	16	232	1,216
LOWER SCHOOL Form II	Boys...	....	....	9	140
	Girls...	....	....	16	143
MIDDLE SCHOOL	Boys...	....	....	....	8
	Girls...	....	....	....	3
UPPER SCHOOL	Boys...	....	....	....	....
	Girls...	....	....	....	....
TOTALS BY SEXES	Boys...	2	19	213	1,204
	Girls...	1	16	248	1,362
GRAND TOTALS	....	3	35	461	2,558

HIGH SCHOOLS (Concluded)

AGE, SEX AND GRADE (Concluded)

	Upper School																Boys	Girls	Total No. Enrolled
	Boys								Girls										
	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over			
114	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	37	50	87
115	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	34	35	69
116	...	...	...	...	3	...	...	2	...	...	1	...	3	2	2	1	51	63	114
117	...	1	2	2	3	3	...	2	...	...	...	1	3	1	1	...	125	141	266
118	...	...	1	2	5	2	2	1	...	...	...	2	2	4	1	...	170	180	350
119	...	...	...	1	1	1	...	1	...	...	1	4	1	...	...	...	85	84	169
120	...	...	...	...	2	1	...	...	...	1	...	...	...	...	...	1	48	53	101
121	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	36	58	94
122	...	...	...	...	1	1	...	...	...	...	...	...	2	2	...	...	58	82	140
123	...	...	...	2	5	4	2	2	...	...	1	2	3	2	1	...	76	96	172

BY AGE, SEX AND GRADE, JUNE, 1922

14 yrs.	15 yrs.	16 yrs.	17 yrs.	18 yrs.	19 yrs.	20 yrs.	21 yrs. or over	TOTALS
2,128	2,202	1,336	465	111	21	7	5	7,556
2,540	2,436	1,374	438	100	28	8	5	8,394
635	1,367	1,410	815	335	91	24	18	4,844
826	1,803	1,956	1,142	445	100	32	16	6,479
94	438	1,160	1,270	962	430	190	114	4,666
78	503	1,256	1,502	1,076	478	172	60	5,128
1	26	101	270	366	262	150	86	1,262
4	25	135	304	336	179	63	30	1,076
2,858	4,033	4,007	2,820	1,774	804	371	223	18,328
3,448	4,767	4,721	3,386	1,957	785	275	111	21,077
6,306	8,800	8,728	6,206	3,721	1,589	646	334	39,405

DAY VOCATIONAL

I. TABLE P—ATTENDANCE, NUMBER OF PUPILS IN THE

Schools	Number of Full Time Teachers	Number of Part Time or Occasional Teachers	Attendance of Full Time Pupils: Total Number of Pupils on the Roll for the Year	Males	Females	Average Daily Attendance for the Year	No. admitted for first time to a Secondary School	Days the School was Open	Attendance of Part Time Pupils: Total Number on the Roll	Male	Female	Student Hours
1 Chatham	4	1	42	27	15	31	23	190	...	...	...	....
2 Collingwood	..	2	...	...	...	...	...	...	...	...	...	....
3 Fort William	3	9	139	44	95	117	73	198	...	...	...	....
4 Haileybury	2	6	48	32	16	36	23	183	...	...	...	....
5 Hamilton	33	6	680	572	108	458	467	199	151	151	...	19,461
6 Kingston	2	2	...	...	...	...	...	...	...	...	...	....
7 London	22	..	578	246	332	476	325	187	...	...	...	....
8 Niagara Falls	6	3	145	66	79	106	66	185	...	...	...	....
9 Ottawa	20	4	546	289	257	393	335	192	...	...	...	....
10 Sault Ste. Marie	..	8	31	31	...	22	21	184	5	5	...	100
11 Sudbury	8	6	137	83	54	92	79	184	40	...	40	2,816
12 Toronto, Central	74	8	1,672	1,247	425	1,358	649	184	378	95	283	15,399
13 *Toronto, Commerce	35	..	1,268	381	887	1,117	628	184	...	...	...	....
14 Windsor	3	5	58	49	9	54	33	190	...	...	...	....
1 Totals, 1921-22	212	60	5,344	3,067	2,277	4,260	2,722	...	574	251	323	37,776
2 Totals, 1920-21	..	..	2,600	1,927	673	2,123	1,422	...	907	222	685	40,996
3 Increases	..	..	2,744	1,140	1,604	2,137	1,300	...	...	29	...	....
4 Decreases	..	..	...	...	...	...	...	...	333	...	362	3,220
5 Percentages	..	..	...	57.39	42.60	79.71	50.93	...	...	43.72	56.27	....

ATTENDANCE, PUPILS IN THE VARIOUS

Schools	Religious and Other Exercises: Schools where the Bible or selections therefrom used	Schools where passages are memorized	Schools Opened with Prayer	Commencement Exercises	English Literature	Reading	Composition and Spelling	Grammar	History and Civics	Geography	Arithmetic
1 Chatham	1	1	1	..	42	42	42	30	42	42	42
2 Collingwood	..	..	..	..	...	...	...	...	...	...	...
3 Fort William	1	..	1	1	124	124	124	...	32	121	139
4 Haileybury	..	..	1	1	48	27	48	...	39	37	37
5 Hamilton	..	..	..	..	680	274	662	556	680	430	465
6 Kingston	..	..	..	..	...	...	...	...	...	...	...
7 London	1	..	1	..	578	374	578	411	564	541	541
8 Niagara Falls	1	..	1	..	145	...	145	...	145	130	145
9 Ottawa	1	..	1	1	546	546	546	437	546	510	546
10 Sault Ste. Marie	..	..	1	1	31	...	...	...	31	31	31
11 Sudbury	1	..	1	1	136	39	136	95	136	136	136
12 Toronto, Central	1	..	1	1	1,678	...	1,672	1,222	1,672	847	1,192
13 *Toronto, Commerce	..	..	1	1	1,268	...	1,268	677	1,268	1,059	1,144
14 Windsor	..	..	1	1	54	54	54	54	54	54	54
Totals, 1921-22	7	1	11	8	5,330	1,480	5,275	3,482	5,209	3,938	4,472

* This school appeared with the High Schools in 1920-21.

SCHOOLS

VARIOUS BRANCHES OF INSTRUCTION, ETC.

	Attendance of Special Pupils				Number of Full Time Pupils from Families whose Head is occupied as below							
	Total Number on the Roll	Male	Female	Student Hours	Commerce	Agriculture	Law, Medicine, Dentistry or the Church	Teaching	The Trades and Industries	Labouring Occupations	Other Occupations	Without Occupation
1	1	1	....	429	4	4	1	....	14	9	5	5
2	29	29	....	8,380	....	....	....	....	....	....	....	....
3	....	....	....	.....	49	9	2	....	28	15	30	6
4	4	4	....	1,056	2	2	2	....	30	10	2	....
5	114	74	40	50,750	175	37	10	2	277	58	60	61
6	40	40	....	10,614	....	....	....	....	....	....	....	....
7	83	66	17	29,452	85	68	4	2	246	86	56	31
8	....	....	....	.....	31	12	1	....	38	36	21	6
9	397	34	363	13,636	63	19	8	3	204	69	145	35
10	....	....	....	.....	5	1	....	....	17	....	8	....
11	....	....	....	.....	18	3	4	1	36	30	40	5
12	936	292	644	236,897	352	34	35	20	640	50	307	234
13	....	....	....	.....	426	13	12	29	448	89	116	135
14	....	....	....	.....	9	1	....	....	30	10	8	....
1	1,604	540	1,064	351,214	1,219	203	79	57	2,008	462	798	518
2	1,019	348	671	223,570	597	144	70	30	959	193	376	231
3	585	192	393	127,644	622	59	9	27	1,049	269	422	287
4	....	....	....	.....	....	....	....	....	....	....	....	....
5	....	33.66	66.33	.....	22.81	3.79	1.47	1.06	37.58	8.64	14.93	9.69

BRANCHES OF INSTRUCTION, ETC. (Continued)

	Algebra	Geometry	Trigonometry	Shop Mathematics	Surveying and Mapping	General Physics	Electricity	Applied Mechanics	Chemistry (General)	Chemistry (Industrial)	Metallurgy and Assaying	Mineralogy and Geology	Mechanical Drawing	Machine Drawing and Design	Architectural Drawing	Machine Shop Work	**Forge Work**
1	12	12	12	12	..	12	...	...	12	...	...	...	27	...	...	12	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	92	26	...	26	...	89	26	...	26	...	...	...	26	...	...	26	...
4	32	20	20	20	18	48	8	9	33	15	15	32	34	3	...	...	...
5	190	307	12	193	...	432	...	...	100	...	...	...	219	247	23	470	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	459	121	26	153	...	204	107	...	160	...	...	...	228	...	5	228	...
8	130	...	...	...	...	39	...	...	...	...	...	...	61	...	...	27	...
9	363	41	...	...	...	301	154	...	92	...	...	...	219	...	219	152	...
10	31	31	...	31	...	31	...	...	9	...	...	...	31	31	...	31	...
11	81	48	23	13	9	31	13	13	31	4	13	31	68	...	...	...	...
12	1,290	1,290	370	870	...	1,438	112	62	1,047	77	30	30	903	59	37	753	400
13	898	...	...	...	...	1,120	...	...	85	...	...	...	...	...	...	...	...
14	49	...	...	...	...	28	...	...	21	...	...	...	49	...	...	21	...
	3,627	1,896	463	1,318	27	3,773	420	84	1,616	96	58	93	1,865	340	284	1.720	400

DAY VOCATIONAL

I. TABLE P—ATTENDANCE, NUMBER OF PUPILS IN THE

Schools	Acetylene Welding	Foundry Work	General Wood Working	Joinery and Cabinet Making	Pattern Making	Carpentry and Building Construction	Plumbing	Steam Engineering	Marine Engineering	Navigation	Electrical Wiring and Machinery	Printing and Book-binding	Automobiles and Gas Engines	Elementary Drawing
1 Chatham	...	...	15	...	...	...	...	..	..	..	...	...	...	30
2 Collingwood	...	...	...	...	...	...	...	..	10	19	...	...	...	...
3 Fort William	...	...	26	26	...	...	...	..	..	..	26	...	...	...
4 Haileybury	...	...	...	...	...	...	...	..	..	..	...	...	...	16
5 Hamilton	...	...	97	137	208	156	...	..	..	..	127	280	82	274
6 Kingston	...	...	...	...	...	...	...	..	10	30	...	...	...	...
7 London	...	...	202	...	22	116	...	..	..	..	...	...	...	...
8 Niagara Falls	...	...	34	...	27	...	...	..	..	..	...	...	...	...
9 Ottawa	...	...	187	187	...	69	...	..	..	..	154	98	188	121
10 Sault Ste. Marie	...	...	31	...	...	...	...	..	..	..	...	...	...	...
11 Sudbury	...	16	69	...	10	16	...	..	..	..	...	...	...	32
12 Toronto, Central	34	400	576	190	...	32	448	56	..	..	296	563	104	882
13 *Toronto, Commerce	...	...	...	...	...	...	...	..	..	..	...	...	...	...
14 Windsor	...	...	28	...	...	...	...	..	..	..	...	...	...	...
Totals, 1921-22	34	416	1,265	540	267	389	448	56	20	49	603	941	374	1,355

ATTENDANCE, PUPILS IN THE VARIOUS

Schools	Home Nursing	Hygiene and Dietetics	Sewing and Dress-making	Laundry	Millinery	Embroidery and Lace Work	French	Spanish	Commercial Law	Economics
1 Chatham	15	15	15	15	...	...	...	...	...	...
2 Collingwood	...	...	...	...	...	...	...	...	...	...
3 Fort William	...	...	55	...	...	...	95	...	50	4
4 Haileybury	10	16	16	...	14	...	16	...	...	...
5 Hamilton	34	308	108	...	108	...	224	34	...	26
6 Kingston	...	...	...	...	...	...	...	...	...	...
7 London	82	82	102	27	102	102	81	...	113	15
8 Niagara Falls	...	12	12	12	12	...	...	...	40	15
9 Ottawa	82	82	226	82	187	...	177	...	109	36
10 Sault Ste. Marie	...	...	...	...	...	...	...	...	...	...
11 Sudbury	48	15	48	...	...	...	23	...	24	7
12 Toronto, Central	81	290	483	62	386	65	697	...	...	153
13 *Toronto, Commerce	...	...	...	...	...	...	1,197	...	481	99
14 Windsor	9	9	9	9	9	...	9	...	...	...
Totals, 1921-22	361	829	1,074	207	818	167	2,519	34	817	355

*This school appeared with the High Schools in 1920-21.

SCHOOLS (Continued)

VARIOUS BRANCHES OF INSTRUCTION, ETC. (Continued)

	Power Plant Operation	Colour Study	Lettering and Show Cards	Industrial Design	Illustrating	Antique Drawing	Still Life Drawing	Life Drawing	Modelling	Pottery	Art Metal Work	Stained Glass	History of Art	Cooking	Housekeeping	Home Economics
1	...	...	...	...	...	...	...	...	...	...	...	...	...	15	15	15
2	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	55	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	16	16	16
5	...	45	45	45	45	45	45	45	39	...	...	...	313	100	74	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	99	99	99
8	...	...	...	...	...	...	...	...	...	...	...	...	...	12	12	12
9	...	121	121	121	...	...	...	...	...	...	...	...	...	186	82	82
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	48	48	48
12	60	155	120	336	118	76	76	64	92	62	3	3	53	502	47	284
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	9	...	...	...	...	...	...	...	...	...	...	...	9	9	9
	60	330	286	502	163	121	121	109	131	62	3	3	366	1,042	402	565

BRANCHES OF INSTRUCTION, ETC. (Continued)

	Writing	Bookkeeping	Stenography	Typewriting	Optometry	Horology	Physical Training	Study of Materials	Latin	Mining	Anatomy	Chemistry for Nurses	Electrical Drawing	Commercial Art
1	....	15	....	....	...	...	....	42	...	...	...	...	...	...
2	....	....	....	....	...	...	....	....	...	...	...	...	...	...
3	113	113	110	113	...	...	139	58	...	...	...	...	...	...
4	....	....	....	....	...	...	48	48	...	...	...	...	...	...
5	274	....	....	....	...	...	....	....	...	...	...	...	...	...
6	....	....	....	....	...	...	....	....	...	...	...	...	...	...
7	374	294	288	113	...	...	578	127	76	...	...	...	...	...
8	....	72	72	40	...	...	145	73	...	...	...	...	...	...
9	505	227	259	259	...	...	546	301	...	...	...	...	...	...
10	....	....	....	....	...	...	31	....	...	...	...	...	...	...
11	22	46	49	49	...	...	137	....	...	13	...	...	...	...
12	....	....	....	....	29	19	1,672	170	481	...	49	293	63	...
13	1,244	1,268	1,268	591	...	...	1,268	1,144	...	...	...	...	...	71
14	....	....	....	....	...	...	57	....	...	...	...	...	...	...
	2,532	2,035	2,046	1,165	29	19	4,621	1,963	557	13	49	293	63	71

DAY VOCATIONAL

I. TABLE P—ATTENDANCE, NUMBER OF PUPILS IN THE

Schools	Occupation of Part Time and								
	Metal Working Trades	Woodworking Trades	Building Trades	Electrical Trades	Chemical Industries	Automotive Trades	Printing and Bookbinding	Mining Occupations	Power Plant Operating
1 Chatham	...	...	...	...	...	...	...	...	...
2 Collingwood	...	...	...	...	...	...	...	..	..
3 Fort William	...	...	...	...	...	...	...	..	..
4 Haileybury	...	...	...	...	...	...	...	3	..
5 Hamilton	25	2	...	29	...	...	60	..	..
6 Kingston	...	...	...	...	...	...	...	..	..
7 London	7	3	...	2	...	7	...	..	..
8 Niagara Falls	...	...	...	...	...	...	...	..	..
9 Ottawa	12	...	...	...	...	...	18	..	..
10 Sault Ste. Marie	5	...	...	...	...	...	...	..	..
11 Sudbury	...	...	...	...	...	...	...	..	..
12 Toronto, Central	6	7	12	21	11	65	112	..	5
13 *Toronto, Commerce	...	...	...	...	...	...	...	..	..
14 Windsor	...	...	...	...	...	...	...	..	..
Totals, 1921-22	55	12	12	52	11	72	190	3	5

*This school appeared with the High Schools in 1920-21.

SCHOOLS (Continued)

VARIOUS BRANCHES OF INSTRUCTION, ETC. (Concluded)

Special Pupils on Entering School

	Labouring Occupations	Draughting, Art and Design	Bookkeeping and Stenography	Salesmanship	Other Commercial Occupations	Agriculture	Women at Work in Shops and Stores	House Workers	Housekeepers	Nurses	Other Occupations	Without Occupation
1	...	...	...	1	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	29	...
3	...	...	...	...	...	...	...	...	...	...	...	...
4	1	...	...	...	...	...	...	...	...	...	...	...
5	...	5	2	3	6	4	...	...	...	...	8	121
6	...	...	...	...	...	...	...	...	...	...	40	...
7	9	...	4	3	3	10	5	4	...	...	...	26
8	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	14	...	...	...	...	1	336	...	...	16
10	...	...	...	...	...	...	...	...	...	...	...	...
11	...	1	2	...	...	...	...	23	2	...	10	2
12	30	168	...	50	...	...	25	...	101	313	...	388
13	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...
	40	174	22	57	9	14	30	28	439	313	87	553

DAY VOCATIONAL

II. TABLE Q—VALUE OF

Schools	Value of Equipment						
	Library	Maps and Charts	Laboratory and Workshop Tables	Machines and Tools	Scientific Apparatus	Drawing Instruments	Drawing Models
	$	$	$	$	$	$	$
1 Chatham	288	12	341	9,292	1,141	250	7
2 Collingwood	306	32	250	......	300	1	......
3 Fort William	2,737	....	1,249	12,428	2,185	290	......
4 Haileybury	161	125	942	977	498	16	......
5 Hamilton	1,102	110	6,884	41,689	11,552	1,118	2,012
6 Kingston	95	162	60	......	100	62	......
7 London	827	241	422	26,859	6,966	970	715
8 Niagara Falls	23	....	7,333	18,292	9,351	673	......
9 Ottawa	281	94	6,970	10,405	7,484	671	128
10 Sault Ste. Marie	....	....	....	......	......	56	......
11 Sudbury	426	....	8,630	11,003	5,354	173	75
12 Toronto, Central	4,104	365	44,060	82,716	24,035	2,645	589
13 *Toronto, Commerce	3,134	347	....	......	4,421	....	120
14 Windsor	103	....	350	22,451	855	293	......
1 Totals, 1921-22	13,587	1,488	77,491	236,112	74,242	7,218	3,646
2 Totals, 1920-21	6,882	557	59,453	200,100	48,880	5,796	3,544
3 Increases	6,705	931	18,038	36,012	25,362	1,422	102
4 Percentages	2.47	.27	14.11	43.00	13.52	1.31	.66

* This school appeared with the High Schools in 1920-21.

SCHOOLS (Continued)

EQUIPMENT, ETC.

	Value of Equipment								
	Stoves, Ranges and Utensils	Equipment for Dressmaking	Equipment for Millinery	Equipment for Laundry	Equipment for Home Nursing	Equipment for Physical Culture	Other Equipment Not Specified	Total Value of Equipment	School Buildings, Grounds and Furniture
	$	$	$	$	$	$	$	$	$
1	1,836	374	34	....	13	.....	1,863	15,451	......
2	....	....	....	....	.....	.....	110	999	(Rented)
3	789	216	....	....	.....	.....	353	20,247	240,000
4	567	136	....	....	.....	.....	8,012	11,434	20,000
5	613	437	48	....	48	201	5,987	71,801	385,488
6	....	....	....	....	.....	.....	.....	479	......
7	4,207	1,335	274	1,625	.....	153	22,648	67,242	301,241
8	769	314	140	162	.....	1,000	2,064	40,121	181,756
9	1,328	1,081	50	....	12	.....	151	28,655	350,000
10	....	....	....	....	.....	.....	10	66	......
11	1,233	371	7	46	40	.....	10,471	37,829	6,562
12	4,040	3,569	294	1,798	117	2,629	49,747	220,708	1,759,160
13	....	....	....	....	.....	552	.....	8,574	402,500
14	91	418	27	....	179	90	522	25,379	......
1	15,473	8,251	874	3,631	409	4,625	101,938	548,985	3,646,707
2	11,769	6,520	512	3,415	347	2,853	75,566	426,194	2,958,681
3	3,704	1,731	362	216	62	1,772	26,372	122,791	688,026
4	2.81	1.50	.15	.66	.07	.84	18.56	.....	......

EVENING VOCA

III. TABLE R—ATTENDANCE, PUPILS IN THE

Schools	Attendance									
	Number of Teachers	Number of Pupils on the roll for the year	Boys and men on roll	Girls and women on roll	New pupils admitted during the year	Pupils whose birthplace is Canada	Pupils whose birthplace is British Isles	Pupils who were born in other countries	Evenings the school was open	Aggregate number of student hours for the year
1 Barrie	10	125	45	80	20	115	5	5	49	6,366
2 Beamsville	4	81	50	31	77	62	19	.....	37	1,210
3 Belleville	20	330	134	196	265	248	76	6	47	12,285
4 Brantford	21	1,073	410	663	800	681	352	40	96	20,252
5 Brockville	18	406	159	247	274	291	100	15	49	12,530
6 Chatham	14	354	189	165	287	251	77	26	86	11,506
7 Cobourg	14	143	69	74	124	129	14	.....	66	3,678
8 Collingwood	8	175	32	143	65	143	22	10	48	5,178
9 Dundas	6	94	19	75	61	68	24	2	97	4,358
10 Espanola	4	78	66	12	56	44	2	32	97	2,926
11 Fairbank	7	104	48	56	10	26	77	1	88	5,266
12 Fort William	19	494	234	260	296	207	162	125	84	15,776
13 Galt	13	291	110	181	181	184	100	7	142	11,260
14 Gananoque	14	173	51	122	131	152	19	2	76	7,367
15 Goderich	5	74	21	53	50	65	8	1	152	2,246
16 Guelph	27	516	194	322	341	344	146	26	71	18,236
17 Hamilton	83	3,477	1,999	1,478	2,452	1,727	1,472	278	120	87,386
18 Hespeler	8	134	50	84	132	108	20	6	19	3,174
19 Ingersoll	6	102	34	68	61	80	21	1	48	4,257
20 Iroquois Falls	6	80	48	32	76	34	15	31	50	2,228
21 Kenora	9	74	34	40	50	59	10	5	30	3,184
22 Kitchener	22	767	232	535	552	585	50	132	122	30,836
23 Lindsay	16	226	158	68	136	184	36	6	78	7,072
24 London	48	1,883	994	889	1,522	1,272	499	112	113	73,970
25 Midland	4	57	13	44	55	49	8	.....	48	2,345
26 Newmarket	3	62	23	39	56	57	4	1	43	1,704
27 Niagara Falls	15	427	255	172	382	215	158	54	128	13,157
28 North Bay	14	218	85	133	80	150	50	18	49	8,720
29 Orillia	7	56	25	31	37	38	17	1	35	2,156
30 Oshawa	13	359	170	189	349	164	150	45	42	12,714
31 Ottawa	68	4,074	1,134	2,940	2,292	3,505	428	141	141	125,748
32 Owen Sound	22	514	218	296	235	453	51	10	42	8,454
33 Pembroke	16	239	101	138	146	222	11	6	93	8,146
34 Perth	11	124	36	88	124	93	28	3	39	2,764
35 Peterborough	16	403	218	185	260	258	114	31	79	11,359
36 Port Arthur	15	362	184	178	278	178	108	76	104	15,634
37 Port Hope	9	88	32	56	72	65	19	4	44	7,744
38 Preston	11	189	57	132	148	119	58	12	76	7,822
39 Renfrew	5	68	10	58	33	43	15	10	62	2,456
40 St. Catharines	13	336	111	225	225	172	141	23	121	9,940
41 St. Thomas	12	314	119	195	201	239	63	12	50	1,098
42 Sarnia	19	255	58	197	151	201	36	18	97	11,832
43 Sault Ste. Marie	15	237	163	74	153	144	28	65	92	4,121
44 South Porcupine	6	54	50	4	2	16	12	26	62	1,876
45 Stratford	22	551	386	165	466	398	137	16	70	13,208
46 Sturgeon Falls	4	37	21	16	36	35	2	.....	16	422
47 Sudbury	18	399	151	248	399	293	71	35	47	12,600
48 Timmins	9	103	91	12	74	49	29	25	87	3,608
49 Toronto, Com'ce	56	2,402	1,050	1,352	1,766	1,409	833	160	120	103,535
50 Toronto, Tech.	193	7,296	3,470	3,826	6,463	4,198	2,527	571	120	351,056
51 Walkerville	11	164	80	84	62	93	58	13	125	6,132
52 Welland	11	169	112	57	138	61	48	60	44	6,410
53 Whitby	5	43	11	32	16	34	9	.....	68	933
54 Windsor	34	1,401	729	672	1,178	753	419	229	105	58,506
55 Woodstock	16	290	109	181	194	200	80	10	65	7,292
Totals, 1921-22	1,075	32,545	14,652	17,893	24,090	20,963	9,038	2,544	....	1,176,039

TIONAL SCHOOLS

VARIOUS BRANCHES OF INSTRUCTION, ETC.

	Occupation of pupils on entering school																
	Textile Industries	Chemical Industries	Sheet Metal Work	Machine Shop Work	Forge Work	Foundry Work	Leather Work	Cabinet Making and Joinery	Carpentry and Building Construction	Painting and Decorating	Plumbing	Power Plant Operating	Electrical Work	Printing or Bookbinding	Photography, etc.	Other Trades	Art and Design
1	3	....	....	9	....	5	....	....	3	....	1	....	....	....	....	15	....
2	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....
3	....	....	....	29	....	9	....	....	5	2	5	....	3	1	....	76	....
4	62	8	20	60	36	86	....	14	25	3	6	53	34	....	....	85	....
5	7	2	5	21	14	4	....	2	4	1	2	2	2	5	....	57	1
6	....	....	2	24	2	....	....	....	5	1	4	....	2	....	....	10	....
7	2	3	....	....	....	....	....	....	....	....	2	....	....	....	....	13	....
8	....	....	....	4	....	....	....	....	....	....	....	....	....	3	....	27	....
9	....	....	....	5	....	1	....	1	....	....	....	....	1	1	....	3	....
10	....	....	....	9	....	....	....	....	3	....	2	4	3	....	....	9	....
11	....	....	....	3	....	....	3	1	....	....	1	....	1	....	....	....	....
12	....	3	1	9	2	....	2	4	11	1	....	....	....	....	2	107	....
13	4	....	3	45	1	7	10	1	2	....	2	1	....	....	1	8	....
14	....	....	5	9	3	2	....	....	1	1	....	....	....	....	....	6	....
15	....	....	....	6	....	....	....	....	....	....	....	9	....	....	....	3	....
16	54	....	....	28	2	29	2	4	3	4	1	3	12	3	....	21	2
17	270	8	5	254	2	1	1	4	105	20	13	....	82	86	5	233	38
18	88	....	....	4	....	3	....	....	....	....	1	....	....	1	....	1	....
19	....	....	....	17	....	....	....	1	1	....	....	....	....	....	....	60	....
20	....	....	....	2	....	....	....	....	2	....	....	2	6	....	....	14	....
21	....	....	....	9	....	....	....	....	2	1	....	....	1	....	1	8	....
22	....	....	2	20	....	2	5	35	5	3	4	5	....	4	....	107	....
23	2	....	....	12	....	....	2	1	4	4	....	....	3	....	....	66	....
24	51	....	19	120	....	....	61	19	44	22	19	40	42	40	3	....	....
25	....	....	....	4	....	....	....	....	3	....	....	....	....	1	....	6	....
26	....	....	1	....	....	....	5	....	....	....	....	....	1	2	....	....	....
27	....	....	11	20	5	19	1	....	22	3	1	19	19	....	....	16	....
28	....	....	....	19	4	....	....	....	6	....	5	....	2	2	....	15	....
29	2	....	....	12	....	....	....	....	1	....	1	....	2	....	....	....	....
30	11	....	12	12	4	....	6	....	18	5	2	....	6	....	....	94	....
31	....	....	48	94	24	48	....	77	48	43	37	24	40	43	34	209	....
32	....	....	1	40	3	15	....	52	10	2	....	....	....	....	....	37	....
33	2	....	2	8	....	2	....	....	15	1	1	....	6	4	....	25	....
34	10	13	....	2	....	....	4	....	....	1	....	2	....	1	1	2	....
35	32	....	5	57	....	2	....	....	5	2	1	....	28	....	4	12	....
36	....	2	1	9	....	....	2	....	2	....	12	3	19	1	....	27	....
37	4	....	....	10	....	2	....	....	2	1	....	....	1	2	....	3	....
38	51	2	4	8	....	3	29	12	1	....	....	....	1	....	....	....	....
39	8	....	....	....	....	....	....	....	....	2	....	....	2	....	....	4	....
40	3	....	1	31	....	3	6	....	3	1	2	....	4	....	....	17	....
41	10	....	10	29	6	6	5	2	7	4	....	....	10	2	....	30	....
42	....	....	2	2	....	3	....	....	3	....	1	1	4	....	1	3	....
43	....	....	....	3	....	....	....	....	....	2	....	....	11	....	....	4	....
44	....	2	....	5	....	....	....	....	....	....	3	1	5	....	1	....	....
45	27	....	7	56	8	6	7	16	28	4	4	....	14	3	....	63	....
46	....	....	....	1	....	....	....	....	2	....	....	....	....	....	....	12	....
47	....	....	....	5	1	3	....	1	7	1	6	3	16	3	....	11	....
48	....	....	....	18	....	....	....	....	....	....	1	3	11	....	....	58	....
49	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	* 73	....
50	13	50	7	261	14	13	11	32	159	40	101	52	255	246	11	733	65
51	....	....	....	65	....	1	1	....	....	....	....	3	....	3	....	43	....
52	35	....	4	13	2	....	....	1	5	1	....	2	4	1	....	10	....
53	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
54	20	....	11	146	17	....	....	8	62	23	31	29	38	13	....	138	....
55	13	1	1	10	1	2	....	3	2	....	1	....	2	1	....	52	....
	784	94	190	1,641	151	277	163	291	636	199	273	261	693	472	64	2,626	107

* The Trades.

EVENING VOCATIONAL

III. TABLE R—ATTENDANCE, PUPILS IN THE

Schools	Occupations, etc. (Continued)						Number of				
	Women at work in factories	Women at work in shops and stores	House Workers	Housekeepers	Other Occupations	Without Occupation	English Literature	Reading	Composition and Spelling	Grammar	History and Civics
1 Barrie	5	20	10	17	37	.....	.....	.....	15	.....	.....
2 Beamsville	.....	5	2	19	51	2	.....	.....	.....	.....	.....
3 Belleville	13	31	37	66	49	4	.....	.....	19	.....	.....
4 Brantford	136	138	30	180	91	6	97	.....	97	.....	.....
5 Brockville	19	27	26	133	58	14	.....	.....	33	33	.....
6 Chatham	10	80	6	52	135	21	50	50	50	50	.....
7 Cobourg	.....	2	.....	57	56	8	.....	.....	.....	.....	.....
8 Collingwood	.....	23	37	60	17	4	.....	.....	.....	.....	.....
9 Dundas	7	4	4	31	20	16	11	11	11	11	.....
10 Espanola	.....	1	1	3	43	.....	.....	.....	.....	.....	.....
11 Fairbank	2	.....	2	25	65	1	.....	.....	.....	.....	.....
12 Fort William	27	64	4	72	167	18	25	25	25	25	96
13 Galt	37	13	8	44	90	14	.....	.....	.....	.....	.....
14 Gananoque	6	27	30	47	30	6	.....	.....	21	.....	22
15 Goderich	8	3	19	15	10	1	.....	.....	.....	.....	.....
16 Guelph	80	29	70	80	79	10	19	19	19	19	.....
17 Hamilton	146	57	532	41	1,177	397	462	462	462	462	462
18 Hespeler	.....	.....	.....	36	.....	.....	.....	.....	.....	50	.....
19 Ingersoll	4	2	.....	7	10	.....	.....	.....	.....	.....	.....
20 Iroquois Falls	.....	2	8	12	32	.....	.....	.....	.....	.....	.....
21 Kenora	.....	11	4	27	5	5	.....	.....	.....	.....	.....
22 Kitchener	101	20	11	302	130	11	.....	10	10	10	.....
23 Lindsay	5	7	8	30	82	.....	.....	.....	12	.....	.....
24 London	125	66	104	158	749	201	536	536	536	536	536
25 Midland	.....	6	15	3	19	.....	.....	.....	.....	.....	.....
26 Newmarket	3	8	9	15	17	1	.....	.....	.....	.....	.....
27 Niagara Falls	17	9	3	52	152	58	.....	55	55	55	.....
28 North Bay	.....	33	15	33	50	34	39	39	39	39	39
29 Orillia	.....	3	4	20	8	3	.....	.....	13	.....	.....
30 Oshawa	30	15	52	16	70	6	47	47	47	47	47
31 Ottawa	127	597	175	511	1,498	397	245	245	245	245	.....
32 Owen Sound	50	47	23	166	68	.....	.....	.....	92	.....	.....
33 Pembroke	7	18	19	40	52	37	51	51	51	.....	.....
34 Perth	9	20	7	22	21	9	.....	.....	12	.....	.....
35 Peterborough	5	17	.....	53	151	29	.....	.....	.....	.....	.....
36 Port Arthur	.....	27	19	55	169	14	25	25	25	25	.....
37 Port Hope	7	7	7	14	26	2	.....	.....	.....	.....	.....
38 Preston	53	8	1	16	.....	.....	16	16	16	16	16
39 Renfrew	10	14	22	2	.....	4	7	.....	.....	.....	.....
40 St. Catharines	19	10	5	114	89	28	.....	.....	.....	.....	.....
41 St. Thomas	29	59	39	46	20	.....	.....	.....	31	.....	.....
42 Sarnia	3	6	9	51	107	59	.....	.....	.....	.....	.....
43 Sault Ste. Marie	.....	17	3	21	176	.....	.....	.....	.....	.....	.....
44 South Porcupine	.....	.....	1	.....	29	7	.....	.....	.....	.....	.....
45 Stratford	47	21	28	73	129	10	.....	.....	20	.....	.....
46 Sturgeon Falls	3	8	4	.....	7	.....	.....	.....	.....	.....	.....
47 Sudbury	.....	44	50	48	192	7	9	9	9	.....	.....
48 Timmins	.....	2	4	6	.....	.....	.....	29	29	.....	.....
49 Toronto, Commerce	.....	.....	.....	.....	2,185	144	34	.....	880	880	12
50 Toronto, Technical	401	338	289	560	3,109	536	824	764	764	764	34
51 Walkerville	.....	.....	5	43	.....	.....	.....	.....	18	.....	.....
52 Welland	38	7	6	6	27	7	.....	.....	20	.....	.....
53 Whitby	2	4	2	18	8	9	6	6	.....	.....	.....
54 Windsor	18	126	131	141	449	.....	.....	110	110	110	.....
55 Woodstock	50	32	2	25	80	12	36	.....	.....	.....	.....
Totals, 1921-22	1,659	2,135	1,902	3,684	12,091	2,152	2,539	2,509	3,786	3,377	1,264

SCHOOLS (Continued)

VARIOUS BRANCHES OF INSTRUCTION, ETC. (Continued)

pupils in the various branches of instruction

	English for Non-English Speaking Persons	Geography	Bookkeeping for Industrial Purposes	Civil Service	Arithmetic	Algebra	Geometry	Trigonometry	Shop Mathematics	Surveying and Mapping	General Physics	Electricity, Theory	Electricity, Applied	Applied Mechanics	General Chemistry	Chemistry of the Trades & Industries	Mining, Underground
1	...	...	...	...	15	...	...	...	9	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	4	4	4	...	...	...	...	...	...	...	...	...
4	...	...	...	...	68	20	20	...	25	...	...	...	59	...	...	...	...
5	...	...	...	...	34	...	...	...	...	...	11	...	...	...	11	10	...
6	6	...	34	15	50	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7	...	...
8	...	...	30	...	30	...	...	...	5	...	...	...	...	...	...	...	...
9	...	...	...	...	11	5	5	...	...	...	...	...	...	...	...	...	...
10	32	...	2	...	15	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	15	...	46	...	...	...	...	...	...	...	...	...	...	...	...
12	71	25	...	...	25	...	...	...	11	...	...	8	23	...	14	...	...
13	...	...	...	...	...	...	...	...	35	...	...	...	13	...	...	...	...
14	...	...	11	...	34	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	6	...	...	...	9	...	...	...	...	...	...	...	...
16	35	...	19	...	4	...	...	...	...	...	...	24	24	...	...	...	...
17	...	...	...	...	...	...	...	...	247	...	...	260	39	...	103	...	...
18	...	50	...	...	50	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	11	...	...	...	...	...	...	...	...
20	22	...	...	...	...	...	...	...	8	...	...	8	...	...	...	...	...
21	8	...	...	...	6	...	...	...	...	...	...	...	4	...	...	...	...
22	...	...	...	...	21	...	...	...	15	...	...	...	45	...	7	...	...
23	...	...	...	...	12	...	...	...	...	...	...	14	...	...	...	...	...
24	536	536	536	536	536	19	19	19	19	...	8	37	95	...	...	19	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	28	...	...	...	...	...	...	25	38	...	...	...	...
28	...	...	...	...	39	...	...	...	26	...	...	...	...	...	...	...	...
29	...	...	...	...	13	...	...	...	7	...	...	...	...	...	...	...	...
30	14	...	33	...	47	...	...	...	18	...	...	...	...	...	...	...	...
31	...	...	...	...	245	...	...	...	14	...	...	62	17	...	30	...	...
32	...	...	...	...	92	...	...	...	...	...	...	...	...	...	...	...	...
33	...	...	28	...	51	1	...	...	11	...	...	...	...	...	...	...	...
34	...	...	...	...	...	...	...	...	8	...	...	...	7	...	...	...	...
35	...	...	...	...	29	28	...	3	...	...	...	24	...	...	...	...	...
36	40	...	...	...	26	8	8	8	12	...	...	...	23	...	...	...	...
37	...	...	...	...	...	...	...	...	9	...	...	...	...	...	...	...	...
38	...	...	15	...	16	...	...	...	21	...	...	...	...	...	...	...	...
39	...	...	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...
40	...	...	...	...	34	...	...	...	9	...	...	...	14	...	...	...	...
41	...	...	...	...	31	...	...	...	...	...	...	...	...	...	...	...	...
42	...	...	...	...	14	...	...	...	8	...	...	...	...	...	...	...	...
43	45	...	...	...	...	25	25	...	37	...	...	11	...	...	...	...	...
44	22	...	...	...	18	...	11	...	...	...	...	...	...	...	...	...	...
45	...	...	...	...	...	...	...	...	120	...	...	59	...	...	24	...	...
46	...	...	10	...	...	...	...	...	11	...	...	...	...	...	...	...	...
47	26	...	...	...	...	19	19	...	...	...	...	...	27	...	...	...	...
48	29	...	...	...	12	...	...	...	...	...	...	...	13	...	...	...	18
49	...	...	...	8	834	15	...	...	...	...	...	...	...	...	...	...	...
50	...	...	...	...	1,168	741	720	115	741	10	...	507	533	19	155	217	...
51	...	18	18	...	...	...	...	...	18	...	...	9	9	...	...	...	...
52	68	...	...	...	20	...	...	...	20	...	...	7	7	...	2	2	...
53	...	...	6	...	6	...	...	4	...	...	...	...	...	...	...	...	...
54	145	...	...	...	...	...	...	...	14	...	...	51	...	...	...	...	...
55	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...
	1,099	629	766	559	3,686	885	831	153	1,501	10	19	1,106	990	19	353	248	18

EVENING VOCATIONAL

III. TABLE R—ATTENDANCE, PUPILS IN THE

Schools	Number of pupils in the various branches of instruction												
	Mechanical Drawing	Machine Drawing and Design	Architectural Drawing	Sheet Metal Drawing	Machine Shop Work	Forge Work	Sheet Metal Work	General Wood Working	Cabinet Making and Joinery	Pattern Making	Carpentry and Building Construction	Painting and Decorating	Oxy-Acet. Welding
1 Barrie	9												
2 Beamsville													
3 Belleville	14												
4 Brantford	10	15			39				67		32		
5 Brockville	9							34					
6 Chatham	14				25			16					
7 Cobourg													
8 Collingwood	5							42					
9 Dundas													
10 Espanola	28												
11 Fairbank													
12 Fort William	8		3					33	6				
13 Galt	28								22				
14 Gananoque	10												
15 Goderich													
16 Guelph	12	12			16			22	23		1		11
17 Hamilton	170	68	145	10	218			238		43	119		107
18 Hespeler													
19 Ingersoll	11							9					
20 Iroquois Falls	6												
21 Kenora	3												
22 Kitchener	16							31					
23 Lindsay	10												
24 London	54	54	38	10	128	25		124	124				
25 Midland	6												
26 Newmarket													
27 Niagara Falls	24		16		43			35					
28 North Bay													
29 Orillia	9												
30 Oshawa	12												
31 Ottawa	45		18	3	36				103				
32 Owen Sound	7	15						43					
33 Pembroke	13		10										
34 Perth	17												
35 Peterborough	29	10		7									
36 Port Arthur								27					
37 Port Hope	5												
38 Preston	12		8	1									
39 Renfrew													
40 St. Catharines	18												
41 St. Thomas	16							23					
42 Sarnia	11							10					
43 Sault Ste. Marie								16					
44 South Porcupine	11												
45 Stratford	36							43					
46 Sturgeon Falls													
47 Sudbury	6							12					
48 Timmins		16											
49 Toronto, Com'ce.													
50 Toronto, Tech	279	129	208	8	113	80		103	14		98	29	
51 Walkerville					43								
52 Welland	20						16						
53 Whitby													
54 Windsor	32				56				75		35		
55 Woodstock	7				33	41			21				
Totals, 1921-22	1,032	319	446	39	750	146	16	861	455	43	285	29	118

SCHOOLS (Continued)

VARIOUS BRANCHES OF INSTRUCTION, ETC. (Continued)

	Number of pupils in the various branches of instruction															
	Plumbing	Steam and Gas Engines and Power Plants	Marine Engineering	Printing and Bookbinding	Photography, Photo-engraving and Lithography	Automobile Mechanics	Telegraphy	Elementary Drawing	Colour Study	Lettering	Show Card Writing	Industrial Design	Illustrating	Drawing and Painting from Antique	Drawing and Painting from Still Life	Drawing and Painting from Life
1	...	...	...	...	...	26	12	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	14	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	68	...	...	...	...	19	...	...	...	...	...
4	...	...	...	...	...	106	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	40	...	14	4	4	4	2	1	2	2	1
6	...	...	...	...	...	30	27	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	41	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	52	8	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	31	...	...	...	31	...	...	...	...	...	...	...	...	...	...
15	...	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	24	24	...	...	...	...	...
17	...	...	...	95	...	355	112	21	6	50	50	44	...	63	15	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	12	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	9	...	...	...	...	...	...	...	...	...	...
22	...	10	...	...	...	93	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	32	...	...	...	...	28	...	...	...	...	...
24	36	13	...	...	...	428	...	...	...	...	61	63	63	63	63	63
25	...	...	7	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	23	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	88	...	...	...	...	...	...	...	...	...	...
31	31	...	...	...	...	415	...	...	...	115	115	105	...	...	...	17
32	...	...	...	...	...	72	...	...	...	...	...	...	...	...	...	...
33	...	...	...	...	...	21	...	...	...	...	21	...	...	...	...	...
34	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
35	...	...	...	...	...	68	...	...	...	...	33	...	...	...	...	...
36	12	...	...	...	...	30	...	...	...	...	15	...	...	...	...	...
37	...	...	...	...	...	17	...	...	...	...	...	...	...	...	...	...
38	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
39	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
40	...	23	...	...	...	...	23	...	...	...	...	...	...	...	...	...
41	...	...	...	...	...	37	...	...	...	...	...	...	...	...	...	...
42	...	...	...	...	...	...	10	6	...	...	...	...	...	...	...	...
43	...	34	...	...	...	...	...	...	...	...	...	...	...	...	...	...
44	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
45	...	...	...	...	...	55	...	...	...	...	...	...	...	...	...	...
46	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
47	18	...	...	...	...	42	18	21	21	...	...	...	...	...	...	...
48	...	15	...	...	...	...	...	...	...	...	...	...	...	...	...	...
49	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
50	85	591	...	153	45	516	...	236	479	72	153	32	72	54	280	85
51	...	...	...	...	...	...	...	...	...	...	...	...	...	...	17	...
52	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
53	...	...	...	...	...	6	...	...	...	...	...	...	...	...	...	...
54	18	37	...	...	...	171	...	31	31	...	58	...	...	...	...	...
55	...	...	...	...	...	21	...	...	...	...	8	...	...	...	...	...
	200	763	7	248	45	2,896	210	329	541	265	612	246	136	182	377	166

EVENING VOCATIONAL

III. TABLE R—ATTENDANCE, PUPILS IN THE

Schools	Number of pupils in the various branches of instruction											
	Modelling	Wood Carving	Pottery	Metal Work and Jewellery	Cooking	Housekeeping	Home Economics	Home Nursing	Hygiene and Dietetics	Sewing and Dress-making	Power Machine Operating	Millinery
1 Barrie								11		42		10
2 Beamsville										11		15
3 Belleville					34					96		29
4 Brantford					85			45		235		68
5 Brockville					56					110		82
6 Chatham					50			21	28	24		35
7 Cobourg					16					28		12
8 Collingwood					29					20		14
9 Dundas					9					46		
10 Espanola												
11 Fairbank					11					35		25
12 Fort William					17		17			92		55
13 Galt								16	18	125		
14 Gananoque								35		56		41
15 Goderich								11		28		
16 Guelph					29	29	29	16		96	53	38
17 Hamilton	13				99					640		503
18 Hespeler										50		
19 Ingersoll		26								36		8
20 Iroquois Falls										13		
21 Kenora										21		
22 Kitchener	7	17			36			78		170		80
23 Lindsay								35		32		
24 London	63	169			80					406		90
25 Midland										44		
26 Newmarket										39		
27 Niagara Falls					20					95		25
28 North Bay					19			10		56		
29 Orillia										21		6
30 Oshawa								48		52		
31 Ottawa					533			95		745		485
32 Owen Sound					41					117		88
33 Pembroke										91		52
34 Perth										43		21
35 Peterborough					34					118		19
36 Port Arthur					9					51		36
37 Port Hope								8		20		8
38 Preston								11		47		13
39 Renfrew										35		
40 St. Catharines										150		66
41 St. Thomas					50					78		14
42 Sarnia					28			10		143		21
43 Sault Ste. Marie					19					40		14
44 South Porcupine												
45 Stratford					36					109		
46 Sturgeon Falls										3		
47 Sudbury					34					70		35
48 Timmins										10		
49 Toronto, Com'ce												
50 Toronto, Tech	34	55	88	27	1,251		83	127	97	1,129	73	818
51 Walkerville					21	21	21			46	46	10
52 Welland					10					26		
53 Whitby										22		
54 Windsor					31			95		174		17
55 Woodstock					13					72		9
Totals, 1921-22	117	267	88	27	2,700	50	150	672	143	6,058	172	2,862

SCHOOLS (Continued)

VARIOUS BRANCHES OF INSTRUCTION, ETC. (Concluded)

Number of pupils in the various branches of instruction

	Embroidery and Lace Making	French	Spanish	Physical Culture	Bookkeeping	Stenography	Salesmanship	Typewriting	Fruit and Vegetable Growing	Basketry	Penmanship	Business Law	Public Speaking	Rapid Calculation
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	41	...	...	...	...	...
3	...	...	...	...	43	37	...	29	...	...	...	...	...	...
4	...	26	...	49	50	65	...	65	...	...	...	...	...	...
5	...	...	...	27	24	26	...	47	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	5	14	5	4	...	11	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	8	10	...	14	...	...	...	...	...	...
10	...	9	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	13	...	...	...	...	...	...	...	...	...
12	...	...	...	...	25	29	...	39	...	...	...	...	...	...
13	...	...	...	...	14	20	...	34	...	...	...	...	...	...
14	53	12	...	...	...	13	...	32	...	...	...	...	...	...
15	...	...	...	...	4	13	...	19	...	...	...	...	...	...
16	...	...	...	...	19	60	...	60	...	61	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	34	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	23	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	12	11	...	11	...	...	...	...	...	...
22	...	...	...	...	27	17	...	31	...	154	...	...	...	...
23	14	...	...	39	15	8	...	20	...	...	...	...	...	...
24	272	25	...	...	142	190	35	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	28	77	...	93	...	...	...	...	...	...
28	...	...	...	...	25	43	...	43	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	14	...	...	33	33	...	30	...	...	...	...	...	...
31	...	142	...	150	155	175	...	175	...	...	...	...	...	...
32	...	...	...	16	...	...	...	...	...	...	...	...	...	...
33	...	...	...	...	...	27	...	27	...	...	...	...	...	...
34	8	8	...	...	...	...	...	...	...	...	...	...	...	...
35	...	...	...	...	...	41	15	...	...	...	...	...	...	...
36	...	11	...	...	...	28	...	30	...	...	...	...	...	...
37	...	...	...	...	21	21	...	...	...	...	...	...	...	...
38	...	...	...	...	...	20	...	...	...	25	...	...	...	...
39	...	...	...	...	...	7	...	10	...	...	...	...	...	...
40	...	...	...	...	32	40	...	40	...	...	...	...	...	...
41	...	13	...	...	33	31	...	31	...	...	...	...	...	...
42	10	6	6	13	12	17	...	17	...	...	...	...	...	...
43	...	...	...	...	...	...	...	...	...	...	...	...	...	...
44	...	...	...	...	...	...	...	...	...	...	...	...	...	...
45	...	...	...	...	16	33	...	33	...	...	...	...	...	...
46	...	13	...	...	...	...	...	...	...	...	...	...	...	...
47	...	14	...	...	17	31	...	31	...	...	...	...	...	...
48	...	...	...	...	...	...	...	...	...	...	...	...	...	...
49	...	191	44	...	1,023	1,073	96	862	...	...	1,044	123	58	18
50	100	305	64	650	...	...	...	...	...	...	...	...	...	...
51	...	...	...	...	...	...	...	...	...	...	...	...	...	...
52	...	...	...	...	...	...	...	...	...	...	...	...	...	...
53	...	...	...	...	...	...	...	...	...	...	...	...	...	...
54	...	29	...	...	62	117	...	117	...	...	...	...	...	...
55	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	457	841	119	958	1,858	2,317	146	1,951	41	274	1,044	123	58	18

VOCATIONAL

IV. TABLE S—

Day and Evening Schools	Receipts					
	Legislative Grants	Local Municipal Grants	School Fees	Debentures	Balances and Other Sources	Total Receipts
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1 Barrie	1,381 98	400 00	238 00	....	113 25	2,133 23
2 Beamsville	625 50	....	169 00	....	....	794 50
3 Belleville	2,394 96	2,265 99	437 00	....	....	5,097 95
4 Brantford	4,702 19	4,340 71	....	....	....	9,042 90
5 Brockville	2,462 22	1,668 23	....	....	129 66	4,260 11
6 Chatham	6,693 95	4,000 00	414 00	....	3,030 86	14,138 81
7 Cobourg	750 06	....	85 00	....	304 01	1,139 07
8 Collingwood	1,907 26	833 60	276 00	....	....	3,016 86
9 Dundas	1,117 28	....	143 00	....	364 74	1,625 02
10 Fairbank	1,651 24	293 10	208 00	....	....	2,152 34
11 Fort William	99,367 21	7,555 80	508 00	20,384 50	47 30	127,862 81
12 Galt	2,360 73	....	1,203 45	....	169 85	3,734 03
13 Gananoque	908 49	812 97	212 50	....	2 00	1,935 96
14 Goderich	416 34	249 54	79 00	....	....	744 88
15 Guelph	4,160 57	2,227 07	....	....	....	6,387 64
16 Haileybury	7,000 00	1,530 14	....	....	1,974 63	10,504 77
17 Hamilton	44,217 60	113,260 00	1,407 75	385,037 90	24,016 66	567,939 91
18 Ingersoll	1,045 20	300 00	402 90	....	52 08	1,800 18
19 Iroquois Falls	817 41	510 12	238 00	....	306 72	1,872 25
20 Kenora	1,165 86	425 98	90 75	....	5 50	1,688 09
21 Kingston	275 32	....	....	....	400 33	675 65
22 Kitchener	4,621 43	1,324 18	1,648 00	....	2,833 12	10,426 73
23 Lindsay	2,280 87	....	480 00	....	2,316 11	5,076 98
24 London	23,563 34	74,674 41	4,060 75	12,000 00	12,761 00	127,059 50
25 Midland	....	....	....	....	....	....
26 Niagara Falls	43,536 15	15,904 05	559 00	....	26,726 51	86,725 71
27 North Bay	1,224 38	682 49	325 00	....	....	2,231 87
28 Orillia	902 84	....	126 00	....	....	1,028 84
29 Oshawa	1,431 68	1,249 12	....	....	200 43	2,881 23
30 Ottawa	33,216 75	46,631 22	6,579 14	....	15,612 53	102,039 64
31 Owen Sound	3,256 62	204 25	....	....	1,517 93	4,978 80
32 Pembroke	1,494 02	1,035 67	....	....	....	2,529 69
33 Perth	....	....	107 00	....	460 13	567 13
34 Peterborough	2,197 40	1,450 00	222 34	....	768 71	4,638 45
35 Port Arthur	2,619 23	1,431 99	403 00	....	....	4,454 22
36 Port Hope	991 25	269 08	205 00	....	....	1,465 33
37 Preston	747 90	1,326 53	308 50	....	89 86	2,472 79
38 Renfrew	248 62	714 70	94 00	....	....	1,057 32
39 St. Catharines	1,458 46	512 79	386 00	....	766 41	3,123 66
40 St. Thomas	840 83	1,600 00	438 00	....	....	2,878 83
41 Sarnia	94,442 04	1,500 00	824 60	....	6,297 33	103,063 97
42 Sault Ste. Marie	54,234 60	3,163 97	236 00	101,150 00	....	158,784 57
43 South Porcupine	1,045 11	580 00	173 00	....	49 27	1,847 38
44 Stratford	1,280 66	....	....	....	1,187 52	2,468 18
45 Sturgeon Falls	537 04	158 64	86 00	....	527 64	1,309 32
46 Sudbury	118,174 21	20,000 00	716 00	13,000 00	35,836 75	187,726 96
47 Timmins	899 10	....	277 25	....	615 65	1,792 00
48 Toronto, Commerce	4,391 77	114,091 00	5,096 70	200,000 00	45,494 23	369,073 70
49 Toronto, Technical	65,032 91	250,841 00	35,937 45	....	43,720 76	395,532 12
50 Walkerville	5,041 50	600 00	449 45	....	259 27	6,350 22
51 Welland	2,089 87	1,000 00	196 00	....	....	3,285 87
52 Whitby	741 64	390 82	....	....	....	1,132 46
53 Windsor	11,567 57	9,808 02	2,717 60	....	5,221 88	29,315 07
54 Woodstock	1,227 40	....	230 00	....	773 12	2,230 52
1 Totals, 1921	670,758 56	691,817 18	68,994 13	731,572 40	234 953 75	2,398,096 02
2 Totals, 1920	511,021 04	828,914 72	49,546 48	....	100,013 29	1,489,495 53
3 Increases	159,737 52	....	19,447 65	....	134,940 46	908,600 49
4 Decreases	....	137,097 54	....	....	....	....
5 Percentages	27.97	28.84	2.87	30.50	9.79	....

SCHOOLS

FINANCIAL STATEMENT

	Expenditure					
	Teachers' Salaries	Buildings, Sites and All Permanent Improvements	Repairs to School Accommoda-tions	Library, Maps and Charts, All Apparatus and Equipment	School Books, Stationery, Prizes, Fuel, Examinations and all Other Expenses	Total Expenditure
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1	1,564 75	....	....	131 65	319 42	2,015 82
2	765 00	....	....	....	....	765 00
3	3,765 00	....	373 44	296 42	663 09	5,097 95
4	4,737 32	....	....	2,703 23	1,602 35	9,042 90
5	3,475 00	....	....	112 35	538 58	4,125 93
6	7,142 00	....	194 17	2,381 82	2,734 59	12,452 58
7	760 00	120 00	....	53 46	191 65	1,125 11
8	1,973 00	240 00	....	56 60	747 26	3,016 86
9	1,205 99	....	....	....	349 67	1,555 66
10	664 00	40 00	2 50	9 19	100 00	815 69
11	4,842 69	110,522 04	7 76	11,089 67	1,400 65	127,862 81
12	3,195 66	....	....	385 37	153 00	3,734 03
13	1,625 00	....	....	85 00	225 96	1,935 96
14	538 00	100 00	....	11 85	95 03	744 88
15	4,205 00	....	....	554 14	1,628 50	6,387 64
16	6,887 72	418 50	66 37	980 34	2,151 84	10,504 77
17	74,036 00	1,361 50	1,187 15	14,996 14	40,870 62	132,451 41
18	1,290 00	....	35 50	76 86	372 82	1,775 18
19	764 00	....	....	607 52	347 75	1,719 27
20	1,212 00	....	....	342 48	133 61	1,688 09
21	650 00	....	....	25 65	....	675 65
22	6,017 70	....	....	1,279 56	3,129 47	10,426 73
23	2,467 50	....	....	805 63	292 50	3,565 63
24	51,995 04	3,692 26	2,264 81	13,977 15	43,208 21	115,137 47
25	....	....	....	....	....	....
26	10,887 46	39,189 30	506 75	16,489 12	19,653 08	86,725 71
27	1,867 00	....	....	67 51	297 36	2,231 87
28	646 00	....	....	8 50	248 20	902 70
29	2,127 00	75 00	....	73 73	605 50	2,881 23
30	66,705 50	2,819 67	1,856 68	6,894 25	23,763 54	102,039 64
31	3,345 50	55 00	....	391 28	1,187 02	4,978 80
32	2,278 00	....	....	7 23	244 46	2,529 69
33	376 00	....	....	173 67	17 46	567 13
34	3,114 00	4 00	....	66 03	688 40	3,872 43
35	3,072 00	....	140 00	792 45	449 77	4,454 22
36	1,366 00	40 00	....	....	59 33	1,465 33
37	1,621 00	....	....	413 83	433 96	2,468 79
38	1,053 52	....	....	3 80	....	1,057 32
39	1,884 00	....	....	143 00	439 93	2,466 93
40	2,566 00	....	....	....	272 41	2,838 41
41	4,654 00	1,200 00	....	844 94	638 35	7,337 29
42	6,277 40	100,935 48	....	21 26	574 28	107,808 42
43	1,227 00	....	....	23 77	594 85	1,845 62
44	1,905 00	....	....	....	563 18	2,468 18
45	908 00	....	....	87 65	294 55	1,290 20
46	14,736 02	118,914 65	....	30,874 87	4,135 24	168,660 78
47	1,580 00	....	....	51 00	161 00	1,792 00
48	89,015 74	89,759 39	4,632 22	241 64	43,570 32	227,219 31
49	192,776 68	17,010 11	474 04	269 98	135,901 00	346,431 81
50	3,670 70	....	16 85	693 90	1,686 00	6,067 45
51	1,625 00	....	....	....	194 49	1,819 49
52	809 26	....	....	7 90	315 30	1,132 46
53	16,483 99	2,400 00	....	2,655 75	7,339 87	28,879 61
54	1,492 50	....	....	467 40	270 62	2,230 52
1	625,848 64	488,896 90	11,758 24	112,726 54	345,856 04	1,585,086 36
2	455,902 02	514,919 47	9,356 23	145,028 69	222,698 63	1,347,905 04
3	169,946 62	....	2,402 01	....	123,157 41	237,181 32
4	....	26,022 57	....	32,302 15	....	....
5	39.48	30.84	.74	7.11	21.81	....

TABLE T—PROTESTANT SEPARATE SCHOOLS

———	No. 1 Grattan	No. 2 Hagarty	L'Orig-nal Village	Penetan-guishene Town	Totals 1921
Number of Schools	1	1	1	2	5
	$ c.	$ c.	$ c.	$ c.	$ c.
Receipts:					
Balances from 1920	203 61	513 60	131 31	104 80	953 32
Government grants	160 74	541 51	251 25	180 75	1,134 25
Municipal grants	17 45	11 51	......	....	28 96
Municipal assessments	1,275 89	306 40	554 78	12,000 00	14,137 07
Other sources	900 00	......	201 24	140 04	1,241 28
Totals	2,557 69	1,373 02	1,138 58	12,425 59	17,494 88
Expenditure:					
Teachers' salaries	828 50	872 85	672 76	9,390 88	11,764 99
School sites and buildings	......	8 00	......	37 35	45 35
Libraries, maps, apparatus, etc.	10 00	......	......	269 42	279 42
Other expenses	699 48	117 90	443 80	2,727 94	3,989 12
Totals	1,537 98	998 75	1,116 56	12,425 59	16,078 88
Balances on hand	1,019 71	374 27	22 02	....	1,416 00
Teachers:					
Male	......	......	......	1	1
Female	1	1	1	7	10
Certificates	II	Dist.	II	8 II	10 II; 1 Dist.
Salaries	$1,000	$900	$750	Male, $1,600 Av. Fem., $993	1 male, $1,600 Av. Fem., $960
Pupils:					
Total number attending	25	35	20	354	434
Boys	14	19	12	170	215
Girls	11	16	8	184	219
Average attendance	13	24	15	255	307
No. in Primer	3	11	6	63	83
" 1st Book	5	6	2	56	69
" 2nd "	5	7	2	85	99
" 3rd "	8	7	4	73	92
" 4th "	2	4	6	77	89
" Beyond 4th Book	2	..	..	...	2
" Art	25	35	20	354	434
" Geography	25	35	20	291	371
" Music	25	35	..	354	414
" Literature	25	35	20	235	315
" Composition	25	35	20	235	315
" Grammar	12	11	10	150	183
" English History	17	18	6	28	69
" Canadian History	17	18	6	56	97
" Physiology and Hygiene	25	35	20	354	434
" Nature Study	25	35	20	354	434
" Physical Culture	25	35	20	354	434
" Arithmetic and Mensuration	2	..	..	...	2
" Algebra	2	..	..	...	2
" Elementary Science	2	..	..	...	2
" Agriculture	12	..	..	48	60
" Commercial Course	2	..	..	...	2
Brick or frame school house	Brick	Frame	Brick	1 Br.; 1 Fr.	3 Br.; 2 Fr.

TABLE U—REPORT ON NIGHT SCHOOLS

I. Night Elementary Schools

	Number of Schools	Teachers	Pupils Enrolled	Average Daily Attendance
Toronto	18	62	2,357	1,233
Woodbridge	1	1	18	16
York Tp., S.S. No. 28 (a) and (c)	2	2	42	26
Toronto, R. C. Separate Schools	3	5	116	39
Totals, 1921-22	24	70	2,533	1,314

II. Night High Schools

School	Number of Schools	Teachers	Pupils Enrolled	Average Daily Attendance
Brantford	1	4	63	52
Collingwood	1	1	7	3
Fort William	1	2	42	25
Galt	1	2	54	13
Hamilton	1	12	194	50
London	1	12	169	70
Pembroke	1	2	30	16
St. Thomas	1	2	24	15
Toronto	2	36	1,005	203
Windsor	1	4	47	22
Totals, 1921-22	11	77	1,635	469

TABLE V—GENERAL

A General Statistical Abstract, exhibiting the comparative state and progress of
and Vocational Schools from the year 1867

No.	Subjects Compared.	1867	1872	1877	1882	1887
1	Population	....	1,620,851	....	1,926,922	....
2	High Schools (including Collegiate Institutes)	102	104	104	104	112
3	Continuation Schools	....	....	....	....	....
4	Vocational Schools (Day)	....	....	....	....	....
5	Public Schools	4,261	4,490	4,955	5,013	5,277
6	Roman Catholic Separate Schools	161	171	185	190	229
7	Grand total of above schools in operation	4,524	4,765	5 ,244	5,307	5,618
8	Pupils attending High Schools (including Collegiate Institutes and Night High Schools)	5,696	7,968	9,229	12,348	17,459
9	Pupils attending Continuation Schools	....	....	....	....	....
10	Pupils attending Day Vocational Schools	....	....	....	....	....
11	Pupils attending Evening Vocational Schools	....	....	....	....	....
12	Pupils attending Public Schools (including Kindergarten and Night Schools)	382,719	433,256	465,908	445,364	462,839
13	Pupils attending Roman Catholic Separate Schools	18,924	21,406	24,952	26,148	30,373
14	Grand total of students and pupils attending High, Continuation, Vocational, Public and Separate Schools	407,339	462,630	500,089	483,860	510,671
15	Amount paid for the salaries of Public and Separate School Teachers	$1,093,517	1,371,594	2,038,099	2,144,449	2,458,540
16	Total amount paid for Public and Separate School purposes	$1,473,189	2,207,364	3,073,489	3,026,975	3,742,104
17	Amount paid for Continuation School Teachers' salaries	$........	....	....	....	....
18	Total amount paid for Continuation School purposes	$........	....	....	....	....
19	Amount paid for High School (and Collegiate Institute) Teachers' salaries	$ 94,820	141,812	211,607	253,864	327,452
20	Total amount paid for High School and Collegiate Institute purposes	$ 124,181	210,005	343,710	343,720	495,612
21	Amount paid for Vocational School Teachers' salaries	$........	....	....	....	....
22	Total amount paid for Vocational School purposes	$........	....	....	....	....
23	Grand total paid for Educational purposes as above	$1,597,370	2,417,369	3,417,199	3,370,695	4,237,716
24	Male Teachers in Public and Separate Schools	2,849	2,626	3,020	3,062	2,718
25	Female Teachers in Public and Separate Schools	2,041	2,850	3,448	3,795	4,876
26	Total Public and Separate School Teachers	4,890	5,476	6,468	6,875	7,594
27	Continuation School Teachers	....	....	....	....	....
28	High School and Collegiate Institute Teachers	159	239	280	332	398
29	Day Vocational School Teachers	....	....	....	....	....
30	Number of all Teachers, as specified above	5,049	5,715	6,748	7,189	7,992

* Included in Public and Separate School attendances. † Included with
year ended six months after

STATISTICAL ABSTRACT

Education in Ontario, as connected with Public, Separate, Continuation, High to 1921, compiled from Returns to the Department of Education.

No.	1892	1897	1902	1907	1912	1917	1920	1921
1	2,114,321	....	2,182,947	....	‡2,527,292	....	....	2,933,662
2	128	130	134	143	148	162	168	170
3	....	44	65	107	138	137	144	160
4	....	....	....	....	....	11	13	14
5	5,577	5,574	5,671	5,819	5,939	6,103	6,207	6,280
6	312	340	391	449	513	548	594	621
7	6,017	6,088	6,261	6,518	6,738	6,961	7,126	7,245
8	22,837	24,390	24,472	30,331	32,608	¶33,024	¶39,539	¶41,040
9	....	*1,618	*2,190	*4,744	6,094	¶5,104	¶5,823	¶7,505
10	....	....	....	....	....	¶3,674	¶4,526	¶7,522
11	....	....	....	....	....	¶14,597	¶27,297	¶32,545
12	458,553	453,256	420,094	413,510	429,030	458,436	489,660	503,769
13	37,466	41,620	45,964	51,502	61,297	70,048	76,881	83,977
14	518,856	519,266	490,530	495,343	529,029	584,883	643,726	676,358
15	2,752,629	2,886,061	3,198,132	4,389,524	6,109,547	8,398,450	13,070,038	15,473,049
16	4,053,918	4,215,670	4,825,160	7,556,179	11,273,960	14,111,835	25,216,512	29,714,793
17	....	Included with No. 15	Included with No. 15	Included with No. 15	202,875	228,362	317,602	406,162
18	....	Included with No. 16	Included with No. 16	Included with No. 16	265,087	324,621	473,085	649,474
19	472,029	532,837	547,402	783,782	1,232,537	1,554,049	2,269,387	2,531,069
20	696,114	715,976	769,680	1,213,697	1,953,061	2,418,975	3,588,933	4,790,211
21	....	....	....	....	....	....	455,902	625,849
22	....	....	....	....	....	....	1,347,905	1,585,086
23	4,750,032	4,931,646	5,594,840	8,769,876	13,492,108	16,855,431	30,626,435	36,739,564
24	2,770	2,784	2,311	1,813	1,511	1,317	1,506	1,641
25	5,710	6,344	7,320	8,387	9,617	11,445	12,363	12,763
26	8,480	9,128	9,631	10,200	11,128	12,762	13,869	14,404
27	....	†44	†86	†140	226	241	255	286
28	522	579	593	750	917	1,051	1,207	1,302
29	....	....	....	....	....	132	191	212
30	9,002	9,707	10,224	10,950	12,271	14,186	15,522	16,204

Public and Separate School Teachers. ‡Census of 1911. ¶Figures for the School
the calendar year specified.

THE CONSOLIDATED SCHOOLS

Consolidated School	Sections Consolidated	Assessment of Section	Cost of School Building	Amount Raised by Debentures	No. and Type of Conveyance
		$	$	$	
Barwick	4, 11, 12, Barwick	119,827	29,830	22,000	2 Waggon Vans
Dorion	1, 2, 3, Dorion	84,316	29,982	10,000	4 Covered Vans
Falls View	7, 9, Stamford	8,213,363	62,850	12,000	1 Motor, 1 Waggon
Hudson	Hudson Twp.	77,000	17,000		2 Motor Vans in summer 2 Horse-drawn in winter
Humber Heights	5, Etobicoke (3 schools)	391,336	85,000	70,000	2 Horse-drawn Vans
Macdonald Guelph	6½, 7, Guelph	402,905			Street Cars
Mallorytown	4, 5, 6U, Foot of Yonge, 19 Escott	290,888	50,000	30,000	Covered Vans
Mindemoya	1, 4, Carnarvon	121,950	42,000	24,000	2 Covered Waggon Vans
Morley	7 Morley, 9 Morley and Dilke, 1 Long Sault	258,000	25,500	14,000	Motor Van in summer. 2 Sleighs in winter
Nobel	1 Carling 3 McDougall	182,455	20,685	10,000	1 Motor in summer 2 Horse-drawn in winter
Savard	1, 3, Savard, 2 Robillard	159,200	25,800	11,500	5 Closed Vans
Tamworth	3, 6, 10, Sheffield, 28 Camden	240,480	29,000	5,000	2 Covered and 2 open Waggons
Tweed	5 Hungerford, 3 Hungerford and Huntington, Tweed Village	829,000	45,000	12,100	2 Motor in summer, 3 Horse-drawn in winter.
Wellington	8, 10, Hallowell, 11, 14, 15, Pt. 10, Hillier, Village of Wellington	1,214,000	118,000	120,000	3 Motor Vans 2 Waggons
West Guilford	2, 3, Guilford	48,500	3,700		4 Covered Vans
Wilberforce	Pt. 8 Cardiff, 6, 1, Monmouth	42,960	4,500		1 Waggon

THE CONSOLIDATED SCHOOLS (Continued)

Consolidated School	Conveyncs Owned by	Cost of Conveyncs	Length of Route	Contract Cost of Transportn	Facilities for Teaching			
					Agr.	M.T	D.Sc	Mus
Barwick....................	Drivers	......	4 mi	$50 per mo. each	0	0	0	0
Dorion......................	3 by Section (1 rented)	$643.75	5½ mi 3¾ mi 3 mi 2½ mi	$700;$400 $400;$400	0	1	1	0
Falls View..................	Drivers	......	5 mi	$2,300 $2,500	1	0	1	0
Hudson.....................	Section	$2,000	4 mi 4 mi 5 mi	$3.25 per day each	1	1	1	1
Humber Heights............	Drivers	......	4 mi 5 mi	$5 per day each	0	1	1	1
Macdonald, Guelph..........	......	......	2 mi	$222	1	1	1	1
Mallorytown................	Drivers	......	6 mi 5 mi 5 mi 2½ mi	$500;$418 $400;$199 for one winter route	1	0	1	0
Mindemoya..................	Drivers	......	6 mi 8 mi	$3.50 per day each	1	0	1	0
Morley......................	Drivers	......	5 mi 5 mi 2 mi	$4; $3.75; $2 per day	1	0	1	0
Nobel.......................	Section	$1,389	6 mi 3 mi	$8 day in winter; $9 summer (incl. caretaking)	0	0	0	0
Savard......................	Section	$1,960	5½ mi	$4.25; $4; $3.50; $4.25 per day	0	0	0	0
Tamworth..................	2 by section	$300	5 mi 5 mi 3½ mi 3½ mi	$453; $300; $300; $200;	1	0	1	0
Tweed......................	2 by Section, 3 by Drivers	$3,000	6 mi each	$3 per day for motor $4 per day for horse-drawn	1	1	1	1
Wellington.................	Drivers	......	7 mi 5 mi 5 mi 6 mi 4 m	$1,000, $1,000 $1,000 $1,600 $680.	Faci prov	lities ided	will for	be all
West Guilford..............	Drivers	......	2½ mi 4½ mi 1½ mi 2 mi	$395; $550; $350; $250	0	0	0	0
Wilberforce................	Section	$95	6 mi	$3.70 per day	0	0	0	0

THE CONSOLIDATED SCHOOLS.—Continued

Consolidated School	Area of Sch. Grnds.	Com. Hall	Special Equipment	High School Facilties	No. of Tchrs for HS	Total No. of Tchrs.	Certificates	Salaries
Barwick	5 ac	1	....	V Form	..	2	1-I 1-II	$1,800 $1,100
Dorion	5 ac	1	....	V Form	..	2	2-II	$1,200 $1,000
Falls View	6¼ ac	1	Piano, Phonograph, Projection Lantern, Medical Cabinet	0	0	5	5-II	$2,300 $1,350 $1,200 $1,200 $1,100
Hudson	3 ac	0	Piano, Med. Cab.	0	0	2	2-II	$1,500 $1,000
Humber Heights	3 ac	1	Piano, Proj. Lant., Med. C Pathescope	0	0	5	5-II	$1,800 $1,100 $1,100 $1,000 $1,000
Macdonald, Guelph	....	0	Piano, Proj. Lant.	0	0	4	1-I 3-II	$1,800 $1,500 $1,000 $1,000
Mallorytown	6¾ ac	0	Phonograph	V Form	..	4	1-I 3-II	$1,600 $1,100 $1,000 $1,000
Mindemoya	5 ac	1	Piano, phonograph	Cont. Sch.	2	4	2-I 2-II	$1,500 $1,300 $1,300 $1,000
Morley	8 ac	0	Piano, Med. Cab.	V Form	..	2	1-I 1-II	$1,500 $1,100
Nobel	5 ac	0	....	V Form	..	2	2-II	$1,400 $1,100
Savard	5 ac	1	Organ	V Form	..	2	1-II 1-III	$1,400 $1,000
Tamworth	6 ac	1	Piano	Cont. Sch.	2	5	2-I 2-II 1-III	$2,000 $1,500 $1,050 $1,000 $900
Tweed	4 ac	0	Phonograph	0	0	6	6-II	$1,700 $1,000 $1,000 $1,000 $1,000
Wellington	6½ ac	1	To be provided	Cont. Sch.	1½	7	2-I 5-II	$2,000 $1,100 $1,000 $1,000 $1,000 $1,000 $1,000
West Guilford	1 ac	0	....	V Form	..	2	2-II	$1,100 $900
Wilberforce	4 ac	0	....	V Form	..	2	2-II	$1,000 $800

THE CONSOLIDATED SCHOOLS.—Continued

Consolidated School	Number Enrolled	Number Transported	Average Attendance	Caretaker's Salary	Approx. Cost of Fuel	Total Maintenance Cost
Barwick	104	45	89%	$30 per Month	$200	$4,500
Dorion	73	63	80%	$275	$150	$4,875
Falls View	228	72	97%	$1,600	$800	$20,000
Hudson	85	70	84%	$200	$200	$5,411
Humber Heights	198	44	89%	$800	$500	$9,000
Macdonald, Guelph	120	34	95%	$840	$600	$10,859
Mallorytown	115	72	88%	$600	$560	$8,303
Mindemoya	124	53	86%	$400	$200	$7,300
Morley	70	35	77%	$75 per Month	$400	$5,700
Nobel	55	46	91%	Included in cost of Transportation.	$150	$4,789
Savard	90	90				
Tamworth	175	41	87%	$480	$600	$9,000
Tweed	240	100	93%	$450	$600	$10,670
Wellington	240	114	93%	$780	......	$13,160
West Guilford	54	45	76%	$90	$70	$3,672
Wilberforce	60	22	77%	$130	$200	$3,025

CONSOLIDATED SCHOOLS NOT YET IN OPERATION

Consolidated School	Sections Consolidated	Assessment	No. of Classrooms Required	Remarks
Benmiller	2, 4, 7, Colborne Tp., Huron Co.	$414,000	3	Arrangements for building complete.
Bloomfield	6, 7, 9, Hallowell Tp., Prince Edward Co.	$760,000	6	Arrangement for addition of four class-rooms and community hall to present building No. 7. High Sch. pupils now being conveyed to Picton Collegiate Inst.
Burriss	1, 2, Burriss Tp., Rainy River Dist.	$88,875	2	Building in progress after considerable delay.
Gooderham	2, 4, 5, Glamorgan Tp., Haliburton County.	$25,500	4	Building in progress.
Grant	3, 15, Nepean Tp., Carleton Co.	$500,000	6	A splendidly-equipped fireproof building now being erected.
Grantham	5, 6, Grantham Tp Lincoln Co.	$315,000	6	Addition of four classrooms to present building at No. 5 now nearing completion.
Nipigon	1, 2, 3, Nipigon Tp., Thunder Bay Dist.	$300,000	4	Building nearing completion.
North Mountain	9, 12, 13, 14 Mountain Tp., Dundas Co.	$300,000	6	Building nearing completion. Continuation Sch. being conducted at present in temporary quarters.
Paudash	1, 6, 7, Cardiff Tp. Haliburton Co.	$12,750	1	Arrangements complete for starting building.
Tarentorus	1, 2, 3, Tarentorus Tp., Algoma Dist.	$430,000	4	Building delayed.

FREE PUBLIC LIBRARIES

Statistics, 1921, showing Legislative Grants paid in 1922

No.	Library	Reading Room	Population	Total Expenditure	Volumes in Library	Circulation	Legislative Grant paid in 1922	Amount expended on Books in 1921
				$ c.			$ c.	$ c.
1	Acton	......	2,000	477 73	4,206	11,630	89 51	172 94
2	Ailsa Craig	R	547	273 76	3,360	5,522	69 88	85 95
3	Almonte	R	2,700	240 11	2,377	6,331	88 71	94 02
4	Amherstburg	R	2,800	3,060 12	4,811	16,490	101 07	152 26
5	Arnprior	......	4,500	422 23	4,349	7,954	150 71	301 43
6	Arthur	R	1,108	287 75	3,947	6,490	67 44	101 40
7	Aurora	R	2,300	877 10	3,696	9,977	121 21	206 04
8	Aylmer	R	2,241	1,382 63	9,169	19,319	177 30	299 36
9	Ayr	R	796	716 21	4,360	8,249	91 03	95 77
10	Barrie	R	6,888	2,842 24	7,738	40,228	260 00	793 75
11	Beamsville	R	1,189	659 46	5,342	14,967	93 27	142 34
12	Beaverton	R	1,100	287 00	2,043	1,429	63 16	33 97
13	Beeton	......	585	172 01	2,612	2,468	29 05	61 28
14	Belleville	R	12,240	5,573 68	11,994	69,853	260 00	1,614 82
15	Belmont	......	No annual report for 1921					
16	Bothwell	......	632	222 63	3,149	5,980	32 39	49 72
17	Bracebridge	R	2,363	1,838 55	5,803	15,005	200 59	292 06
18	Brampton	R	4,970	1,956 87	7,564	26,021	260 00	385 28
19	Brantford	R	31,091	12,974 44	32,897	142,581	260 00	2,829 16
20	Brighton	R	1,421	438 31	4,370	5,010	70 72	177 50
21	Brockville	R	9,377	3,327 78	16,072	24,100	260 00	569 16
22	Brussels	R	1,000	666 51	4,755	6,715	22 54	6 09
23	Burk's Falls	R	1,000	319 97	3,166	3,526	43 85	....
24	Campbellford	R	3,100	2,020 70	2,954	24,742	250 34	664 02
25	Cardinal	R	1,200	237 72	2,935	3,259	40 87	30 77
26	Carleton Place	R	3,786	628 83	7,775	15,675	113 20	205 63
27	Cayuga	......	800	140 74	1,951	806	15 72	16 64
28	Chatham	R	15,525	6,660 91	12,909	79,357	260 00	1,509 38
29	Chesley	R	1,803	581 09	3,153	6,583	125 32	190 90
30	Clifford	......	600	177 66	4,396	5,606	32 63	63 78
31	Clinton	R	2,011	1,536 40	8,179	20,303	230 23	357 06
32	Collingwood	R	6,016	4,316 18	10,615	19,313	260 00	570 49
33	Cornwall	R	7,738	1,900 30	6,410	13,948	198 18	357 81
34	Delhi	R	726	467 95	2,574	5,300	121 55	149 78
35	Deseronto	......	No annual report for 1921					
36	Drayton	R	625	303 63	3,740	6,609	55 11	22 26
37	Dresden	......	No annual report for 1921					
38	Dundas	R	5,056	3,318 01	9,259	44,710	260 00	797 85
39	Durham	R	1,587	838 04	3,859	8,030	64 26	181 00
40	Elmira	R	2,392	994 33	5,481	12,918	171 25	138 66
41	Elora	R	1,205	1,124 69	8,040	7,927	97 41	100 53
42	Erin	......	475	317 43	3,354	4,689	125 54	211 08
43	Essex	R	1,600	931 95	4,157	8,614	159 25	235 71
44	Exeter	R	1,458	953 23	5,176	11,747	90 02	110 95
45	Fergus	R	1,815	1,863 13	4,949	17,395	99 58	199 21
46	Forest	R	1,414	766 78	4,274	19,567	99 42	180 41
47	Fort Frances	......	2,849	2,067 99	3,365	8,655	215 43	501 68
48	Fort William	R	20,561	17,391 85	29,361	127,690	260 00	1,938 56
49	Fort William, Br.	R	....	3,633 48	4,904	34,116	260 00	705 43
50	Galt	R	13,600	7,704 84	11,736	55,185	260 00	820 70
51	Gananoque	R	3,665	1,771 72	6,166	21,601	260 00	747 50
52	Garden Island	......	75	56 50	5,000	302	22 08	26 25
53	Georgetown	R	2,400	1,979 17	3,816	13,441	182 78	318 96
54	Glencoe	......	800	125 00	2,100	632	25 00	....
55	Goderich	R	4,700	2,226 74	6,355	26,701	247 49	466 72
56	Grand Valley	R	590	860 81	3,500	6,866	57 42	43 21
57	Gravenhurst	......	1,437	204 41	2,637	2,115	53 35	49 10
58	Grimsby	R	2,000	1,688 90	4,642	20,898	198 30	391 80
59	Guelph	R	18,027	10,805 90	21,110	115,229	260 00	1,408 81
60	Hagersville	R	1,100	763 23	2,514	1,210	170 79	281 49
61	Hamilton	R	118,243	65,343 00	54,516	425,340	260 00	10,093 78
62	Hamilton Branch	R	....	2,451 36	10,667	132,603	260 00	2,451 36

FREE PUBLIC LIBRARIES (Continued)

Statistics, 1921, showing Legislative Grants paid in 1922 (Continued)

No.	Library	Reading Room	Population	Total Expenditure	Volumes in Library	Circulation	Legislative Grant paid in 1922	Amount expended on Books in 1921
				$ c.			$ c.	$ c.
63	Hanover	R	2,724	2,134 53	4,263	16,967	249 89	951 29
64	Harriston	R	1,326	1,149 68	4,214	23,262	75 37	99 43
65	Hensall	......	885	395 66	2,297	5,557	93 12	210 09
66	Hespeler	R	2,853	744 22	5,402	14,106	97 37	115 83
67	Hillsburg	......	Opened January 2nd, 1922				100 00	....
68	Ignace	......	Opened May 12th, 1922				100 00	....
69	Ingersoll	R	5,385	2,646 86	6,513	27,880	260 00	511 78
70	Kemptville	R	1,200	608 70	4,042	10,248	100 76	150 75
71	Kenora	R	5,000	2,878 96	4,487	22,770	221 13	346 33
72	Kincardine	R	2,200	687 15	4,590	4,767	65 98	94 33
73	Kingston	R	22,368	13,020 73	16,564	110,662	260 00	4,779 74
74	Kingsville	R	1,800	815 79	3,730	12,342	120 45	210 56
75	Kitchener	R	22,717	12,344 94	17,072	90,763	260 00	3,159 27
76	Lakefield	R	1,137	444 74	1,362	8,676	116 07	212 01
77	Lanark	......	No annual report for 1921					
78	Lancaster	......	600	298 64	4,000	2,307	34 26	51 60
79	Leamington	R	3,668	1,585 90	5,972	27,078	260 00	257 07
80	Lindsay	R	8,025	3,349 12	8,646	25,581	260 00	847 22
81	Listowel	R	2,500	1,362 93	5,486	12,433	138 15	212 62
82	Little Britain	R	200	271 86	2,384	2,331	63 73	36 65
83	London	R	59,784	21,766 68	43,880	277,190	260 00	3,612 72
84	London, East	R	....	3,049 08	6,452	48,980	260 00	786 52
85	London, South	......	....	1,347 36	3,330	21,717	200 00	784 07
86	London, Southeast	......	....	1,845 17	1,530	678	200 00	1,371 78
87	Lucknow	R	902	1,215 93	4,576	8,506	134 09	390 60
88	Markdale	R	1,000	701 77	3,438	7,753	65 76	85 20
89	Merrickville	......	950	461 59	3,275	5,578	59 17	163 43
90	Merritton	......	2,683	271 60	2,757	8,477	39 57	81 95
91	Midland	R	7,129	2,958 91	8,538	36,935	255 17	701 91
92	Millbrook	R	740	369 75	2,915	7,636	121 43	122 25
93	Milverton	R	1,054	739 68	3,436	6,213	79 52	166 59
94	Mimico	R	3,736	3,496 18	3,750	28,046	211 74	498 55
95	Mitchell	R	1,801	822 74	5,631	5,212	56 47	120 45
96	Mount Forest	R	1,717	1,323 67	4,549	13,448	92 67	143 73
97	New Hamburg	R	1,401	739 96	3,040	8,004	82 91	113 81
98	New Liskeard	R	2,300	2,051 93	5,107	11,265	236 27	357 92
99	Newmarket	R	3,590	717 89	4,624	10,203	123 52	182 42
100	Niagara Falls	R	16,000	7,734 92	18,159	72,372	260 00	1,502 93
101	North Bay	R	11,402	3,928 65	7,251	54,097	260 00	784 36
102	Norwich	R	1,279	1,662 61	3,677	13,710	203 52	338 24
103	Norwood	......	....	Opened June 7th, 1922			100 00	....
104	Oakville	R	3,114	940 02	6,109	7,879	148 39	176 79
105	Oakwood	R	250	165 17	2,187	2,042	53 53	25 15
106	Orangeville	R	2,427	1,917 89	7,197	20,518	251 61	347 96
107	Orillia	R	7,854	2,626 03	8,462	35,939	229 24	497 51
108	Oshawa	R	11,500	3,326 89	5,719	26,258	238 13	372 31
109	Ottawa	R	112,899	72,524 45	77,524	235,191	260 00	8,109 45
110	Ottawa, South	R	....	1,961 35	3,496	20,212	260 00	668 45
111	Ottawa, West	R	....	3,600 25	6,001	30,861	260 00	896 76
112	Otterville	......	600	190 62	2,217	4,906	72 76	128 46
113	Owen Sound	R	12,013	4,450 93	9,770	50,443	260 00	936 24
114	Paisley	R	751	482 92	5,830	8,558	90 73	115 36
115	Palmerston	R	1,650	2,013 98	3,376	8,879	130 82	306 39
116	Paris	R	4,346	1,793 80	12,543	36,026	232 44	387 50
117	Parkhill	R	1,213	746 77	2,795	5,240	90 86	157 02
118	Parry Sound	......	3,229	1,368 78	4,108	24,482	167 07	469 76
119	Pembroke	R	8,000	3,393 26	7,161	26,853	260 00	669 47
120	Penetanguishene	R	4,004	2,091 12	6,741	10,968	234 24	383 30
121	Perth	R	3,710	1,972 32	4,046	19,897	96 09	195 79
122	Peterborough	R	21,439	9,560 82	18,479	85,666	260 00	1,501 70
123	Picton	R	3,177	2,418 65	7,890	27,623	260 00	422 97

FREE PUBLIC LIBRARIES (Continued)

Statistics, 1921, showing Legislative Grants paid in 1922 (Continued)

No.	Library	Reading Room	Population	Total Expenditure	Volumes in Library	Circulation	Legislative Grant paid in 1922	Amount expended on Books in 1921
				$ c.			$ c.	$ c.
124	Port Arthur......	R	15,629	11,453 87	17,732	104,881	260 00	1,843 43
125	Port Carling......	R	357	366 34	2,022	3,154	136 88	176 30
126	Port Colborne.....	R	3,420	1,029 88	2,747	13,370	214 24	348 67
127	Port Elgin........	R	1,500	884 53	5,378	13,903	100 51	181 51
128	Port Hope........	R	4,567	2,079 89	7,852	25,979	137 75	363 42
129	Port Rowan......	......	627	191 94	1,949	1,997	30 42	37 38
130	Prescott..........	R	2,758	670 74	7,174	19,121	78 70	187 41
131	Preston..........	R	5,547	2,355 59	9,275	31,498	186 79	349 61
132	Renfrew..........	R	4,960	2,398 35	5,008	34,448	252 72	653 92
133	Richmond Hill....	R	1,100	341 98	4,791	7,642	73 28	122 48
134	Ridgeway........	......	750	249 00	2,698	4,139	53 53	88 11
135	St. Catharines....	R	20,961	8,959 49	14,569	90,378	260 00	1,981 09
136	St. Mary's........	R	4,039	1,776 00	10,073	22,837	236 08	402 66
137	St. Thomas.......	R	17,892	6,920 29	17,966	98,062	260 00	1,769 43
138	Saltfleet..........	......	250	461 99	3,193	8,818	53 17	152 69
139	Sarnia...........	R	14,905	5,667 39	14,048	58,945	260 00	1,725 67
140	Sault Ste. Marie...	R	22,034	10,425 07	11,534	95,330	260 00	2,515 01
141	Sault Ste. Marie,W	R	....	2,048 18	2,223	26,709	260 00	755 59
142	Schreiber.........	R	1,402	242 28	1,678	7,898	38 75	31 75
143	Seaforth..........	R	1,980	1,472 98	6,001	21,751	223 37	337 32
144	Shelburne........	R	1,100	767 45	4,660	7,754	93 20	209 97
145	Simcoe...........	R	3,946	2,346 30	11,156	29,430	260 00	532 47
146	Smith's Falls......	R	6,665	2,414 40	6,901	23,604	260 00	564 19
147	South River......	......	500	30 00	1,172	1,036	15 00	....
148	Springfield........	......	470	99 41	1,617	3,222	24 75	23 49
149	Stayner..........	......	1,004	157 93	2,368	1,889	20 00	....
150	Stirling...........	R	850	891 81	2,766	7,284	168 41	265 98
151	Stouffville........	R	1,049	701 97	6,340	18,283	142 18	209 39
152	Stratford.........	R	17,611	6,379 47	15,501	75,763	260 00	1,376 32
153	Strathroy.........	R	2,667	844 98	9,573	31,869	142 60	204 86
154	Streetsville.......	R	525	392 60	3,005	5,761	64 79	78 55
155	Sudbury..........	R	9,076	3,922 80	2,462	18,772	260 00	651 44
156	Sundridge........	......	441	76 06	1,001	1,343	20 44	44 86
157	Sutton West......	R	696	217 73	2,046	4,482	59 13	84 65
158	Tara.............	R	537	323 23	2,045	5,094	76 58	27 06
159	Tavistock........	R	990	1,096 25	4,675	5,615	142 30	311 60
160	Teeswater........	R	807	730 93	5,159	8,218	109 35	212 49
161	Thorold..........	R	5,012	1,933 39	6,826	7,649	229 31	388 91
162	Tilbury..........	......	No annual report for 1921					
163	Tillsonburg.......	R	3,100	1,854 35	4,644	27,675	161 25	209 91

FREE PUBLIC LIBRARIES (Concluded)

Statistics, 1921, showing Legislative Grants paid in 1922 (Concluded)

No.	Library	Reading Room	Population	Total Expenditure	Volumes in Library	Circulation	Legislative Grant paid in 1922	Amount expended on Books in 1921
				$ c.			$ c	$ c.
164	Toronto:—							
164	Beaches....	R	522,942	12,514 58	12,029	146,414	255 00	1,546 26
165	Church.....	R	....	22,239 24	57,230	102,956	260 00	1,044 98
166	College.....	R	....	105,088 34	183,087	663,697	260 00	13,698 60
167	Deer Park..	R	....	10,949 39	12,388	113,117	255 00	1,451 54
168	Dovercourt.	R	....	23,764 85	21,322	289,520	260 00	2,898 73
169	Earlscourt..	R	....	16,704 21	11,578	185,857	237 60	1,302 85
170	Eastern....	R	....	7,508 66	6,915	34,092	224 02	1,485 82
171	High Park..	R	....	14,887 23	15,450	192,733	254 85	1,671 28
172	Municipal..	R	....	2,545 34	1,634	8,751	241 77	588 25
173	Northern...	R	....	5,886 00	8,473	44,653	230 43	728 00
174	Queen and Lisgar....	R	....	10,360 87	17,434	115,520	255 00	1,110 10
175	Riverdale...	R	....	19,115 71	19,634	229,676	260 00	1,895 18
176	Western....	R	....	12,981 38	14,961	140,164	255 00	1,785 68
177	Wychwood.	R	....	11,597 83	11,988	125,609	238 69	934 08
178	Yorkville...	R	....	10,931 83	15,875	102,559	255 00	1,253 58
179	Trenton........	R	6,000	4,099 22	3,358	36,138	255 00	1,900 87
180	Uxbridge.......	R	1,389	1,019 33	6,982	13,021	72 39	100 25
181	Walkerton......	R	2,200	1,759 73	5,002	13,044	251 55	579 34
182	Walkerville.....	R	7,303	9,867 35	10,649	63,094	260 00	1,522 16
183	Wallaceburg....	R	4,067	3,047 61	5,205	38,111	260 00	620 61
184	Waterford......	......	1,085	487 72	1,452	1,780	82 18	188 98
185	Waterloo.......	R	5,976	2,908 26	12,459	26,522	260 00	301 45
186	Watford........	R	1,035	771 48	4,687	11,163	79 80	141 31
187	Welland........	R	9,135	795 02	4,722	18,576	101 78	337 72
188	Weston........	R	3,104	1,730 55	5,342	30,444	253 56	493 59
189	Whitby........	R	3,000	1,240 81	4,140	15,631	186 53	285 30
190	Windsor........	R	38,530	20,884 22	33,414	167,610	260 00	4,811 62
191	Wingham.......	R	2,454	1,001 04	7,426	12,004	253 58	387 16
192	Woodstock.....	R	10,164	4,897 37	12,757	56,364	260 00	978 52
193	Wroxeter.......	....	344	164 12	6,087	....	26 69	29 62
	Totals.....	......	1,548,511	834,590 32	1,654,424	7,511,391	31,199 85	141,821 26

ASSOCIATION PUBLIC LIBRARIES

Statistics, 1921, showing Legislative Grants paid in 1922

No.	Library	Reading Room	Population	Total Expenditure	Volumes in Library	Circulation	Legislative Grant paid in 1922	Amount expended on Books in 1921
				$ c.			$ c.	$ c.
1	Admaston	......	Rural	49 10	1,542	873	17 21	27 60
2	Agincourt	......	425	333 20	1,697	5,168	160 49	266 28
3	Allenford	......	542	233 37	262	1,792	66 33	191 45
4	Alliston	......	1,264	1,582 00	849	11,195	183 16	524 94
5	Alma	......	250	29 00	1,537	1,864	25 00	....
6	Alton	......	419	168 46	5,234	3,440	25 79	56 51
7	Angus	......	420	104 52	1,300	2,063	33 27	47 70
8	Arkona	......	418	171 91	2,971	1,690	26 06	43 32
9	Assiginack Manitowaning P.O	......	No report for 1921					
10	Athens	......	775	189 13	2,019	3,439	38 38	135 94
11	Atwood	......	600	77 83	1,287	1,319	11 46	18 24
12	Auburn	R	250	146 25	1,703	1,502	33 84	51 40
13	Badjeros	......	Rural	46 67	760	457	14 59	26 31
14	Bala	......	Organized August 11th, 1922					
15	Bancroft	......	800	328 12	474	2,362	76 32	180 75
16	Bath	R	367	171 55	1,173	4,211	33 75	....
17	Bayfield	......	400	183 41	964	3,342	54 49	100 18
18	Bayham	......	No annual report for 1921					
19	Baysville	......	168	70 63	1,085	2,053	25 52	41 29
20	Beachville	......	500	166 30	1,605	2,717	15 00	41 56
21	Beechwood	......	Rural	219 76	1,526	1,868	100 73	170 03
22	Belwood	......	350	228 11	2,779	2,006	57 51	93 90
23	Birchcliff	......	1,962	483 19	572	1,490	78 87	384 59
24	Blenheim	R	1,650	635 49	5,552	15,685	101 89	102 96
25	Bloomfield	......	600	29 01	1,513	....	25 00	....
26	Blyth	......	700	127 15	2,599	2,540	27 72	79 65
27	Bobcaygeon	R	962	339 46	3,613	4,108	88 71	116 32
28	Bolton	......	650	282 81	2,304	5,400	36 09	107 85
29	Bowmanville	R	3,200	701 52	5,151	12,817	161 71	281 07
30	Bridgeburg	......	2,401	545 99	2,907	6,091	116 75	280 10
31	Brigden	......	No annual report for 1921					
32	Brooklin	......	Rural	133 06	3,339	3,110	35 88	66 51
33	Brougham	......	Organized March 4th, 1922					
34	Brownsville	......	250	307 12	1,623	3,960	63 80	125 00
35	Brucefield	......	200	169 75	1,982	1,375	15 00	64 70
36	Burgessville	......	200	160 87	1,083	2,328	26 87	26 72
37	Burlington	R	2,438	764 84	4,870	13,431	79 19	202 04
38	Burnstown	......	No annual report for 1921					
39	Caledon	......	500	165 14	3,291	1,908	43 56	67 95
40	Cambray	......	Rural	177 78	1,902	935	69 28	126 58
41	Camden East	......	200	109 25	2,070	615	32 21	71 75
42	Canfield	......	700	145 99	1,054	2,232	50 51	102 38
43	Cannington	R	900	225 30	4,268	4,268	50 77	62 63
44	Capreol	......	2,000	102 63	468	548	....	47 16
45	Cargill	......	250	247 97	3,686	5,007	84 15	155 35
46	Chalk River	R	Rural	126 46	96	46	41 92	16 55
47	Chatsworth	......	303	119 96	1,726	1,025	34 16	51 24
48	Cheapside	......	500	82 55	2,570	1,380	23 73	62 00
49	Chesterville	......	949	439 21	808	4,568	36 40	190 84
50	Claremont	......	350	150 43	2,877	1,952	42 95	76 76
51	Clarksburg	......	600	355 67	2,648	6,185	89 97	183 97
52	Clarkson	......	250	110 38	463	2,122	25 69	52 00
53	Claude	......	30	82 38	3,685	663	39 33	67 41
54	Cobourg	R	4,874	712 02	5,372	19,278	93 14	152 15
55	Cochrane	......	3,000	279 74	485	1,722	81 72	202 07
56	Colborne	R	1,000	113 00	2,236	705	27 95	32 50
57	Coldstream	......	100	108 36	2,130	2,359	31 53	41 31
58	Coldwater	......	625	145 54	2,308	7,918	18 06	53 18
59	Comber	R	600	308 52	2,790	4,985	102 48	155 35
60	Cookstown	......	500	38 36	1,813	383	10 00	....
61	Copetown	......	Organized October 30th, 1922					

ASSOCIATION PUBLIC LIBRARIES.—Continued.

Statistics, 1921, showing Legislative Grants paid in 1922.—Continued.

No.	Library	Reading Room	Population	Total Expenditure	Volumes in Library	Circulation	Legislative Grant paid in 1922	Amount expended on Books in 1921
				$ c.			$ c.	$ c.
62	Copleston........	......	No annual report for 1921					
63	Copper Cliff......	......	3,000	807 22	2,770	18,854	125 54	428 93
64	Craighurst........	......	No annual report for 1921					
65	Creemore.........	......	656	187 33	706	1,119	17 66	47 35
66	Delaware.........	......	350	118 45	259	....	25 00	111 95
67	Delta...........	......	400	197 76	1,210	2,258	52 60	110 45
68	Depot Harbour....	......	800	200 72	1,256	3,107	47 32	156 96
69	Don............	......	150	123 03	1,855	568	41 85	66 05
70	Dorchester.......	......	500	161 42	1,776	3,029	35 64	86 75
71	Drumbo..........	......	400	169 37	3,029	3,164	51 94	126 07
72	Duart...........	......	200	70 20	2,076	562	16 52	42 00
73	Dundalk.........	......	700	231 33	1,148	4,096	45 64	125 95
74	Dungannon.......	......	Rural	195 19	2,705	3,585	45 21	122 27
75	Dunnville........	......	3,500	938 28	6,168	14,571	200 00	564 11
76	Dutton...........	R	1,000	459 34	2,687	9,942	148 59	242 14
77	East Linton......	......	200	184 87	398	33	20 25	84 07
78	Elmvale..........	......	310	204 47	2,660	3,387	38 91	103 27
79	Elmwood.........	......	Rural	173 26	1,750	4,009	57 97	100 68
80	Embro...........	R	500	244 23	5,124	4,892	44 75	85 63
81	Emo............	......	1,500	295 30	912	....	51 87	102 66
82	Emsdale.........	......	No annual report for 1921					
83	Ennotville........	......	Rural	234 09	5,009	1,256	48 67	130 00
84	Espanola.........	......	3,500	1,138 64	2,144	5,000	65 21	198 59
85	Ethel............	......	550	198 40	1,505	1,563	27 83	58 08
86	Fenelon Falls.....	R	903	552 32	5,199	3,336	59 41	81 70
87	Fenwick.........	......	360	702 63	671	1,732	27 90	83 48
88	Flesherton.......	......	500	83 11	1,222	1,308	15 00	25 78
89	Fonthill..........	R	764	233 24	4,083	6,237	61 59	61 10
90	Fordwich........	......	485	184 24	2,320	2,263	16 08	75 00
91	Forester's Falls....	......	1,582	91 70	1,452	1,486	25 95	49 55
92	Fort Erie.........	......	1,241	283 22	4,267	3,242	50 59	116 49
93	Frankford........	R	900	384 14	1,186	2,249	54 73	87 80
94	Fullarton.........	......	No annual report for 1921					
95	Glamis...........	......	Rural	69 43	1,035	1,240	14 06	27 65
96	Glanworth........	......	500	499 30	552	788	31 72	25 02
97	Glen Allen........	......	200	85 65	1,428	929	10 00	41 64
98	Glen Morris......	......	250	394 22	3,126	800	42 85	71 67
99	Gore Bay.........	R	639	200 86	1,505	1,336	77 66	....
100	Gore's Landing....	......	200	47 52	1,673	1,855	13 00	23 90
101	Gorrie...........	......	400	95 63	2,168	618	12 21	34 52
102	Grafton..........	......	250	76 20	1,193	842	19 41	48 85
103	Haileybury.......	......	3,433	297 37	677	476	33 79	....
104	Haliburton.......	......	900	41 70	1,918	2,018	15 00	....
105	Harrietsville......	......	Rural	180 71	1,242	2,941	60 89	132 61
106	Harrington.......	......	200	138 14	2,140	1,240	39 50	85 48
107	Harrow..........	R	750	438 05	2,175	5,533	56 06	82 10
108	Hastings.........	......	780	28 55	1,203	100	20 00	....
109	Hawkesbury......	......	5,276	172 51	799	2,490	52 19	79 95
110	Hawkesville......	......	No annual report for 1921					
111	Hepworth........	......	No annual report for 1921					
112	Highgate.........	R	1,000	719 72	882	5,863	173 49	336 52
113	Highland Creek...	......	675	93 93	2,849	1,189	17 23	26 48
114	Hillsdale.........	......	300	94 24	2,082	1,288	31 45	57 37
115	Hillview..........	......	290	52 89	726	1,001	13 30	35 69
116	Holstein..........	......	300	198 97	2,328	3,395	45 55	73 40
117	Honeywood.......	......	100	76 50	940	1,060	29 75	48 15
118	Huntsville........	R	2,176	404 61	4,438	4,112	70 95	64 45
119	Inglewood........	......	400	143 50	1,552	1,912	63 32	104 50
120	Inwood..........	......	260	261 69	1,984	3,014	101 86	165 72
121	Iroquois..........	......	840	130 11	1,998	3,606	29 35	39 81
122	Iroquois Falls.....	......	Organized July 15th, 1922					
123	Islington.........	......	Rural	176 83	3,250	6,947	81 18	131 00

ASSOCIATION PUBLIC LIBRARIES.—Continued.

Statistics, 1921, showing Legislative Grants paid in 1922.—Continued.

No.	Library.	Reading Room	Population	Total Expenditure	Volumes in Library	Circulation	Legislative Grant paid in 1922	Amount expended on Books in 1921
				$ c.			$ c.	$ c.
124	Ivanhoe		540	84 31	56	208	57 70	71 03
125	Jarvis	R	600	147 73	3,909	3,453	31 72	71 89
126	Kars		Rural	125 03	1,854	885	45 85	74 63
127	Kearney		350	73 50	406	2,100	21 32	51 00
128	Kemble		400	185 94	1,466	1,093	38 41	48 85
129	Kinmount		400	211 90	1,757	3,154	15 00	103 25
130	Kintore		280	168 50	1,993	2,264	47 23	86 69
131	Kirkfield		100	52 00	2,677	1,672	10 00	....
132	Kirkton		Rural	189 73	686	1,176	25 96	12 23
133	Komoka		300	146 64	1,607	2,824	35 77	94 49
134	Lake Charles		250	12 95	2,300	381	10 00	....
135	Lakeside		Organized February 10th, 1922.					
136	Lefroy		Rural	48 16	995	1,410	12 08	24 39
137	Linwood		No annual report for 1921					
138	Lorne Park		230	153 12	653	1,037	61 04	139 27
139	Lucan		700	318 31	1,763	4,883	63 54	93 93
140	Lyn	R	275	223 09	1,189	2,513	60 11	96 15
141	Madoc		1,056	367 77	3,062	7,586	41 15	107 41
142	Mandamin		200	135 01	1,535	2,545	45 30	50 48
143	Manilla		300	362 98	5,329	2,702	120 19	200 38
144	Manotick		No annual report for 1921					
145	Maple		No annual report for 1921					
146	Markham		1,000	2,083 37	2,804	225	20 46	47 63
147	Markstay		No annual report for 1921					
148	Marksville		440	190 72	905	4,653	11 63	50 91
149	Marmora		850	458 92	530	7,727	81 09	197 72
150	Martintown		376	215 01	1,052	1,933	32 06	120 17
151	Matilda Brinston P.O.		Rural	105 80	564	3,076	16 81	50 00
152	Maxville		800	507 98	599	1,277	93 60	277 13
153	Meaford	R	2,600	1,117 71	5,990	20,103	188 46	445 97
154	Melbourne		210	70 75	1,306	1,116	15 00	....
155	Metcalfe		No annual report for 1921					
156	Mildmay		No annual report for 1921					
157	Millbank		400	305 27	844	3,330	92 35	204 05
158	Millgrove		150	54 26	792	150	30 00	50 00
159	Milton		2,000	251 87	5,020	7,528	33 96	70 72
160	Minden		300	81 76	2,127	1,482	28 38	42 86
161	Monkton		350	82 47	1,451	1,798	13 26	29 27
162	Mono Centre		64	9 20	907	801	10 00	6 08
163	Mono Mills						25 00	....
164	Mono Road		Rural	72 50	1,432	1,710	31 25	42 50
165	Moorefield		600	146 68	359	1,600	27 60	95 88
166	Morrisburg	R	1,500	441 94	3,576	6,910	119 98	84 00
167	Morriston		2,733	49 65	1,549	1,424	15 00	....
168	Mount Albert	R	550	324 13	1,625	3,124	115 00	139 21
169	Mount Brydges		371	103 84	1,193	986	25 22	23 07
170	Mount Hope		200	328 42	646	3,220	37 95	98 66
171	Nanticoke		100	112 30	2,451	1,379	24 42	56 15
172	Napanee	R	2,863	1,110 46	9,460	17,782	207 34	418 00
173	Napier		200	64 11	617	631	31 64	56 98
174	Newburgh	R	432	216 42	2,518	1,694	58 08	51 70
175	Newbury		300	111 08	1,276	1,939	15 00	26 00
176	New Dundee	R	368	142 06	1,335	2,866	63 11	44 91
177	Newington		300	55 55	1,059	1,550	12 21	20 28
178	New Toronto		2,650	197 84	736	2,941	105 22	170 82
179	Niagara	R	1,585	442 36	9,546	16,475	136 88	183 29
180	Norland		169	106 45	1,493	2,058	33 88	71 60
181	North Cobalt		1,500	20 15	304	1,820	20 00	....
182	North Gower		350	160 38	2,423	2,750	24 06	61 55
183	Odessa	R	700	334 02	1,518	1,500	40 84	41 58
184	Omemee	R	500	234 45	1,784	1,717	45 50	92 50

ASSOCIATION PUBLIC LIBRARIES (Continued)

Statistics, 1921, showing Legislative Grants paid in 1922 (Continued)

No.	Library	Reading Room	Population	Total Expenditure	Volumes in Library	Circulation	Legislative Grant paid in 1922	Amount expended on Books in 1921
				$ c.			$ c.	$ c.
185	Orono		No annual report for 1921					
186	Oxford Mills		300	139 39	1,385	1,189	23 64	83 76
187	Pakenham		No annual report for 1921					
188	Palermo		100	71 28	155	274	28 07	45 67
189	Park Head		250	92 35	673	1,523	18 23	42 86
190	Pickering	R	600	212 48	1,997	2,013	54 11	73 48
191	Pinkerton		Rural	288 43	2,164	783	15 00	
192	Plattsville		600	203 24	2,819	3,391	35 36	98 84
193	Plympton Camlachie, P.O.		335	112 23	1,728	2,622	33 23	58 45
194	Point Edward		1,300	132 22	4,188	2,755	22 91	80 22
195	Port Credit		1,200	464 25	3,387	9,133	50 44	159 08
196	Port Dover	R	1,350	413 52	1,288	2,170	61 73	150 00
197	Port Perry	R	1,200	449 35	3,047	6,096	103 09	108 10
198	Port Stanley		797	274 83	2,358	4,509	69 79	107 20
199	Powassan		510	317 91	1,079	3,914	121 52	242 13
200	Princeton		Rural	101 95	885		20 00	
201	Queensville		300	152 44	2,710	2,740	20 98	50 10
202	Rainy River		No annual report for 1921					
203	Ridgetown	R	2,300	315 26	4,735	7,730	90 88	111 65
204	Ripley		800	107 75	2,183	2,400	26 77	24 00
205	Riversdale		400	33 25	1,540	1,701	10 00	
206	Rodney		756	211 08	1,384	15,000	37 17	156 16
207	Romney		1,491	166 16	3,854	1,592	48 85	95 65
208	Rossdale		Organized February 10th, 1922					
209	Runnymede		4,000	168 29	2,612	6,851	42 55	105 45
210	Russell	R	700	372 31	718	1,917	86 48	92 00
211	St. George	R	700	442 20	5,515	4,733	62 48	139 68
212	St. Helen's		Rural	93 09	2,480	2,142	24 98	54 12
213	Scarboro		Rural	185 36	5,336	2,330	78 72	172 05
214	Scarboro Bluffs		Organized February 20th, 1922					
215	Scotland	R	400	271 70	2,070	2,210	44 92	50 70
216	Sheddon		400	131 40	2,201	1,901	28 39	44 38
217	Shetland		350	177 20	1,260	3,026	75 80	135 88
218	Singhampton		100	41 80	346	848	12 21	20 00
219	Smithville		600	225 09	1,314	3,832	34 65	124 41
220	Solina		Rural	44 98	558	662	29 45	39 68
221	Sombra		175	315 95	336	648	124 08	226 77
222	Sonya		300	160 09	384		52 59	86 18
223	Southampton		1,710	288 90	6,169	7,343	40 50	201 59
224	Southcote		Rural	185 31	169	169	52 10	173 32
225	South Mountain		300	84 46	1,052	875	18 57	24 73
226	South Woodslee		Organized Oct. 20th, 1922					
227	Sparta		No annual report for 1921					
228	Speedside		250	54 40	1,657	608	10 00	
229	Stevensville		350	147 26	921	2,081	56 52	90 18
230	Strathcona		350	48 64	1,673	733		
231	Stratton		No annual report for 1921					
232	Swansea		1,700	175 18	315	2,530	22 21	25 18
233	Sydenham	R	200	309 85	1,896	4,180	61 27	71 83
234	Thamesford		600	247 08	2,219	3,288	58 28	116 36
235	Thamesville	R	750	496 45	2,512	2,405	90 10	81 67
236	Thedford		600	143 31	3,411	4,621	45 20	88 98
237	Thornbury		800	8 68	1,371			8 33
238	Thorndale		400	334 12	1,043	10,000	64 94	121 09
239	Thornhill		460	173 20	566	553	52 01	90 70
240	Tiverton		300	68 57	1,183	933	10 00	14 46
241	Tobermory		385	106 40	83	482	46 87	88 86
242	Tottenham		600	113 65	2,614	1,741	20 57	57 40
243	Trout Creek		413	110 34	1,154	1,220	16 50	74 89
244	Tweed		1,400	348 58	2,385	7,939	41 42	49 80
245	Underwood		216	299 03	743	1,527	10 00	174 19

ASSOCIATION PUBLIC LIBRARIES (Concluded)

Statistics, 1921, showing Legislative Grants paid in 1922 (Concluded)

No.	Library	Reading Room	Population	Total Expenditure	Volumes in Library	Circulation	Legislative Grant paid in 1922	Amount expended Books in 1921
				$ c.			$ c.	$ c.
246	Unionville......	....	450	124 51	1,692	1,913	25 27	51 32
247	Vankleek Hill...	....	1,600	398 75	1,684	2,500	79 72	130 48
248	Varna..........	....	Rural	85 95	88	....	55 60	84 70
249	Victoria........ Caledonia P.O.	....	Rural	100 84	3,839	859	21 84	53 45
250	Victoria Mines.. Coniston P.O.	....	1,500	194 59	1,562	2,269	65 52	101 25
251	Victoria Road...	....	300	154 65	658	163	24 34	102 23
252	Walton.........	....	Rural	114 71	1,546	1,073	33 33	85 62
253	Wardsville......	....	215	533 56	2,253	3,838	63 96	110 59
254	Warkworth.....	....	2,400	246 94	1,640	702	24 93	54 65
255	Waterdown.....	....	790	248 84	1,226	3,695	62 52	108 41
256	Wellesley.......	....	600	210 40	2,650	1,643	54 24	82 41
257	Westford.......	....	150	79 78	2,303	....	15 00	75 00
258	West Lorne.....	....	850	218 85	1,535	2,974	96 19	152 38
259	White Lake.....	....	Rural	32 50	973	526	16 77	20 35
260	Wiarton........	.. R	1,754	448 57	3,584	4,252	86 61	85 41
261	Williamstown...	....	300	99 40	2,480	1,077	23 26	49 30
262	Winchester.....	.. R	1,028	201 82	2,031	5,380	42 44	74 44
263	Woodville......	.. R	425	207 58	2,663	1,764	44 56	27 13
264	Worthington....	.. R	350	298 07	734	1,385	83 22	77 39
265	Wyoming.......	....	480	185 13	1,299	1,061	54 67	65 20
266	Zephyr.........	....	625	79 27	1,585	1,604	20 06	20 33
267	Zurich.........	....	1,500	183 25	446	857	49 71	91 95
	Totals.....	....	170,415	56,272 39	475,292	728,500	11,511 38	22,181 98

Notes from Public Libraries Register

Ten new libraries were added during 1922.

Six libraries were added to the list of Free Libraries during 1922: Almonte, Hillsburg, Ignace, Norwood, Oakville and Welland. Of these libraries, Almonte, Norwood, Oakville and Welland were formerly Association Public Libraries.

Eight Association Libraries have been added to the list, all of which are new libraries. They are Bala, Brougham, Copetown, Iroquois Falls, Lakeside. Rossdale, Scarboro Bluffs and South Woodslee.

Grants to Historical, Literary and Scientific Institutions

The following Historical, Literary and Scientific Institutions, etc., duly reported according to the requirements of the Act, and received the undermentioned grants during the fiscal year ending October 31st, 1922:

	$ c.
Brant Historical Society	100 00
Elgin Historical and Scientific Association	100 00
Essex Historical Society	100 00
Huron Institute	100 00
Kent Historical Society	100 00
Kingston Historical Society	100 00
L'Alliance Francaise, Ottawa	400 00
Lennox and Addington Historical Society	100 00
Lundy's Lane Historical Society	200 00
London and Middlesex Historical Society	100 00
Niagara Historical Society	350 00
Ontario Historical Society	1,000 00
Thunder Bay Historical Society, Fort William	100 00
Wentworth Historical Society	200 00
Women's Canadian Historical Society of Ottawa	400 00
Women's Canadian Historical Society of Toronto	200 00
Women's Wentworth Historical Society	300 00
Hamilton Scientific Association	400 00
Royal Canadian Institute	2,500 00
Club Litteraire Canadien Francais, Ottawa	300 00
L'Institut Canadien Francais, Ottawa	300 00
Ottawa Field Naturalists' Club	200 00
Royal Astronomical Society, Toronto	600 00
Society of Chemical Industry	300 00
Ontario Library Association	400 00
St. Patrick's Literary Association of Ottawa	200 00
Canadian Free Library for the Blind	700 00
Waterloo Historical Society	100 00
United Empire Loyalists	200 00
York Pioneers	200 00
Institut Jeanne D'Arc, Ottawa	200 00
Le Cercle Social, Ottawa	200 00
Folk Lore Society	100 00
Grenville Pioneer and Historical Society	100 00
Georgian Bay Historical Society	200 00
Parry Sound Historical Society	100 00
Owen Sound Historical Society	100 00
Gore Bay Historical Society	50 00
Little Current Historical Society	50 00
Manitowaning Historical Society	50 00
Ayran Society	200 00
Le Cercle St. Francois d'Assise	300 00

APPENDIX M

LIST OF INSPECTORATES AND INSPECTORS

Inspectorates	Public School Inspectors	Post Office
Algoma District in part; City of Sault Ste. Marie; Town of Bruce Mines	D. T. Walkom, B.A.	Sault Ste. Marie.
Brant and Norfolk in part; Town of Paris; Village of Waterford (Joint Inspectorate)	T. W. Standing, B.A.	Brantford.
Bruce East; Towns of Chesley, Walkerton, Wiarton; Villages of Hepworth, Lion's Head, Mildmay, Tara	John McCool, M.A.	Walkerton.
Bruce, West; Towns of Kincardine, Southampton; Villages of Lucknow, Paisley, Port Elgin, Teeswater, Tiverton	W. F. Bald, B.A., LL.B.	Port Elgin.
Carleton, East; Town of Eastview	T. P. Maxwell, B.A.	Ottawa.
Carleton, West, and Lanark, East; Towns of Almonte, Carleton Place; Village of Richmond (Joint Inspectorate)	R. C. Rose, B.A.	Carleton Place.
Dufferin; Town of Orangeville; Villages of Grand Valley, Shelburne	W. R. Liddy, B.A.	Orangeville.
Dundas; Villages of Chesterville, Iroquois, Morrisburg, Winchester	Hiram B. Fetterly, M.A.	Winchester.
Elgin, East; Town of Aylmer; Villages of Springfield, Vienna	J. C. Smith, B.A.	St. Thomas.
Elgin, West; City of St. Thomas; Villages of Dutton, Rodney, Port Stanley, West Lorne (Joint Inspectorate)	John A. Taylor, B.A.	St. Thomas.
Essex; Towns of Amherstburg, Essex, Ford, Kingsville, Leamington, Riverside, Tecumseh; Villages of Belle River, St. Clair Beach	D. A. Maxwell, B.A., LL.B., Ph. D.	Kingsville.
Essex, North (in part only)	V. C. Quarry, B.A.	Parkhill, R.R. 8.
Frontenac, South; Villages of Garden Island, Portsmouth	S. A. Truscott, M.A.	Kingston.
Frontenac, North, and Addington (Joint Inspectorate)	M. R. Reid, M.A.	Sharbot Lake.
Glengarry; Town of Alexandria; Villages of Lancaster, Maxville	J. W. Crewson, B.A.	Alexandria.
Grey, East; Towns of Meaford, Thornbury; Village of Flesherton	Samuel Huff, B.A., B. Paed.	Meaford.
Grey, West; City of Owen Sound; Villages of Chatsworth, Shallow Lake	H. H. Burgess, B.A.	Owen Sound.
Grey South; Towns of Durham, Hanover; Villages of Dundalk, Markdale, Neustadt	Robert Wright, B.A.	Hanover.
Haldimand; Town of Dunnville; Villages of Caledonia, Cayuga, Hagersville, Jarvis	J. L. Mitchener, B.A.	Cayuga.
Haliburton and E. Muskoka; Town of Huntsville	Geo. E. Pentland, M.A.	Fenelon Falls.
Halton and Wentworth in part; Towns of Burlington, Georgetown, Milton, Oakville; Village of Acton (Joint Inspectorate)	James M. Denyes, B.A.	Milton.
Hastings, Centre; Villages of Deloro, Madoc, Marmora, Stirling, Tweed	J. E. Minns, B.A.	Tweed.
Hastings, South, and City of Belleville; Towns of Deseronto, Trenton; Village of Frankford (Joint Inspectorate)	H. J. Clarke, B.A.	Belleville.
Hastings, North; Village of Bancroft	Jas. Colling, B.A.	Bancroft.
Huron, East; Towns of Clinton, Seaforth, Wingham; Villages of Blyth, Brussels, Wroxeter	John M. Field, B.A., Ph. D.	Goderich.

List of Inspectorates and Inspectors (Continued)

Inspectorates	Public School Inspectors	Post Office
Huron, West; Town of Goderich; Villages of Bayfield, Exeter, Hensall	J. Elgin Tom	Goderich.
Kenora District, in part, Thunder Bay District (East) and Algoma District in part; City of Fort William; Towns of Dryden, Sioux Lookout (Joint Inspectorate)	W. J. Hamilton, B.A.	Fort William.
Kent, East; Towns of Blenheim, Bothwell, Dresden, Ridgetown; Villages of Erieau, Highgate, Thamesville	Rev. W. H. G. Colles	Chatham.
Kent, West, and City of Chatham; Towns of Tilbury, Wallaceburg; Village of Wheatley (Joint Inspectorate)	J. H. Smith, M.A.	Chatham.
Lambton, East (No. 2); Town of Petrolia; Villages of Alvinston, Arkona, Oil Springs, Watford	J. J. Edwards, B.A.	Petrolia.
Lambton, West (No. 1); City of Sarnia; Town of Forest; Villages of Courtright, Point Edward, Thedford, Wyoming (Joint Inspectorate)	Henry Conn, B.A.	Sarnia.
Lanark, West; Towns of Perth, Smith's Falls; Village of Lanark (Joint Inspectorate)	Thos. C. Smith, M.A.	Perth.
Lanark, East (see Carleton, West).		
Leeds and Grenville (No. 1); Town of Gananoque; Villages of Newboro, Westport	James F. McGuire, M.A.	Westport.
Leeds and Grenville (No. 2); Town of Brockville; Village of Athens (Joint Inspectorate)	W. C. Dowsley, M.A.	Brockville.
Leeds and Grenville (No. 3); Town of Prescott; Villages of Cardinal, Kemptville, Merrickville (Joint Inspectorate)	T. A. Craig	Kemptville.
Lennox; Town of Napanee; Villages of Bath, Newburgh (see also Frontenac, North)	E. J. Corkill, B.A.	Napanee.
Lincoln; Towns of Grimsby, Merritton, Niagara; Villages of Beamsville, Port Dalhousie	Geo. A. Carefoot, B.A., B.Paed.	St. Catharines.
Manitoulin Dist.; Algoma Dist. in part; Sudbury Dist. in part; Towns of Blind River, Gore Bay, Little Current, Thessalon	James W. Hagan, M.A.	Gore Bay.
Middlesex, East; Village of Lucan	P. J. Thompson, B.A.	London.
Middlesex, West; Towns of Parkhill, Strathroy; Villages of Ailsa Craig, Glencoe, Newbury, Wardsville	J. H. Sexton, B.A.	Strathroy.
Muskoka, South and West, District; Towns of Bala, Bracebridge, Gravenhurst; Village of Port Carling	H. R. Scovell, B.A.	Bracebridge.
Muskoka, East (see Haliburton).		
Muskoka, North (see Parry Sound East).		
Nipissing (see Timiskaming South Dist.)		
Norfolk; Town of Simcoe; Villages of Delhi, Port Dover, Port Rowan (see Brant Co.)	H. Frank Cook, B.A.	Simcoe.
Northumberland and Durham, West (No. 1); Towns of Bowmanville, Port Hope; Village of Newcastle	E. E. Snider, B.A.	Port Hope

List of Inspectorates and Inspectors (Continued)

Inspectorates	Public School Inspectors	Post Office
Northumberland and Durham, Centre (No. 2); Town of Cobourg, Village of Millbrook	J. W. Odell, B.A.	Cobourg.
Northumberland and Durham, East (No. 3); Town of Campbellford; Villages of Brighton, Colborne, Hastings	Robert Boyes	Campbellford.
Ontario, North; Town of Uxbridge; Villages of Beaverton, Cannington	T. R Ferguson, M.A	Uxbridge.
Ontario, South; Towns of Oshawa, Whitby; Village of Port Perry	R. A. Hutchison, B.A.	Whitby.
Oxford, North, and City of Woodstock; Villages of Embro, Tavistock (Joint Inspectorate)	J. M. Cole	Woodstock.
Oxford, South; Towns of Ingersoll, Tillsonburg; Village of Norwich (Joint Inspectorate)	R. A. Paterson, B.A.	Ingersoll.
Parry Sound, South, District; Town of Parry Sound; Village of Magnetawan	J. L. Moore, B.A.	Parry Sound.
Parry Sound, East, District; Muskoka North; Towns of Kearney, Powassan, Trout Creek; Villages of Burk's Falls, South River, Sundridge	R. O. White	North Bay.
Peel; Town of Brampton; Villages of Bolton, Port Credit, Streetsville	W. J. Galbraith, M.A.	Brampton.
Perth, North; Towns of Listowel, Mitchell, St. Mary's; Village of Milverton	William Irwin, B.A.	Stratford.
Perth, South, and City of Stratford (Joint Inspectorate	James H. Smith, B.A.	Stratford.
Peterborough, East; Villages of Havelock, Lakefield, Norwood	Richard Lees, M.A.	Peterborough.
Peterborough, West, and Victoria, East; Town of Lindsay; Villages of Bobcaygeon, Omemee (Joint Inspectorate)	G. E. Broderick	Lindsay.
Prescott and Russell; Towns of Hawkesbury, Rockland, Vankleek Hill; Villages of Casselman, L'Orignal	Archibald McVicar, M.A.	Vankleek Hill.
Prince Edward; Town of Picton; Villages of Bloomfield, Wellington	F. P. Smith, M.A.	Picton.
Rainy River District and Kenora District in part; Towns of Fort Frances, Keewatin, Kenora, Rainy River	Samuel Shannon, B.A.	Kenora.
Renfrew, North; Town of Pembroke; Village of Cobden	I. D. Breuls, B.A.	Pembroke.
Renfrew, South; Towns of Arnprior, Renfrew; Villages of Braeside, Eganville, Killaloe Station	G G. McNab, M.A.	Renfrew.
Simcoe, North; Towns of Barrie, Collingwood, Penetanguishene	Joseph L. Garvin, B.A.	Barrie.
Simcoe, South; Towns of Alliston, Stayner; Villages of Beeton, Bradford, Creemore, Tottenham	Edwin Longman	Barrie.
Simcoe, East; Towns of Midland, Orillia; Villages of Coldwater, Port McNicol, Victoria Harbour	Isaac Day, B.A.	Orillia.
Stormont; Town of Cornwall; Village of Finch	James Froats, M.A., B. Paed.	Finch.
Sudbury District in part; Towns of Capreol, Copper Cliff, Frood Mine, Massey, Sudbury, Webbwood	D. M. Christie, B.A.	Sudbury.

List of Inspectorates and Inspectors (Continued)

Inspectorates	Public School Inspectors	Post Office
Thunder Bay District, West; City of Port Arthur	John Ritchie	Port Arthur.
Timiskaming, Central; Towns of Charlton, Englehart, Haileybury, New Liskeard; Village of Thornloe	W. Asbury Wilson, B.A.	Haileybury.
Timiskaming, North; Algoma (in part); Towns of Cochrane, Hearst, Iroquois Falls, Kapuskasing, Matheson, Timmins	L. A. Marlin, M.A.	Cochrane.
Timiskaming District, South; Nipissing; Towns of Bonfield, Cache Bay, Cobalt, Latchford, Mattawa, North Bay, Sturgeon Falls	P. W. Brown, B.A.	North Bay.
Victoria, West; Villages of Fenelon Falls, Sturgeon Point, Woodville	W. H. Stevens, B.A.	Lindsay.
Victoria, East (see Peterborough West).		
Waterloo, North (No. 1); City of Kitchener; Towns of Elmira, Waterloo (Joint Inspectorate)	F. W. Sheppard	Kitchener.
Waterloo, South (No. 2); City of Galt; Towns of Hespeler, Preston; Villages of Ayr, New Hamburg (Joint Inspectorate)	Lambert Norman, B.A.	Galt.
Welland, North; City of Welland; Town of Thorold; Villages of Chippawa, Fonthill (Joint Inspectorate)	John W. Marshall, B.A.	Welland.
Welland, South; Towns of Bridgeburg, Port Colborne; Villages of Fort Erie, Humberstone	James McNiece, B.A.	Welland.
Wellington, North; Towns of Harriston, Mount Forest, Palmerston; Village of Clifford	Robt. Galbraith, B.A.	Mount Forest.
Wellington, South; Villages of Arthur, Drayton, Elora, Erin, Fergus	J. J. Craig, B.A.	Fergus.
Wentworth; Town of Dundas; Village of Waterdown	Jno. B. Robinson, B.A., B.Paed.	Hamilton.
York (No. 1); Towns of Aurora, Newmarket; Villages of Holland Landing, Sutton West	C. W. Mulloy, B.A.	Aurora.
York (No. 2); Towns of Mimico, New Toronto, Weston; Village of Woodbridge	A. L. Campbell, M.A.	Weston.
York (No. 3); Villages of Markham, Richmond Hill, Stouffville	W. W. A. Trench, B.A.	Richmond Hill.
York (No. 4); Town of Leaside	A. A. Jordan, B.A.	Toronto, 63 Orchard View Boulevard
Brantford, City of	E. E. C. Kilmer, B.A.	Brantford.
Guelph, do	Wm. Tytler, B.A.	Guelph.
Hamilton, do	W. H. Ballard, M.A.	Hamilton.
do do	Jas. Gill, B.A., B.Paed.	Hamilton.
do do	Frank E. Perney, B.A., B.Paed	Hamilton.
do do	E. T. Seaton, B.A., B.Paed.	Hamilton.
Kingston, do	J. Russell Stuart	Kingston.
London, do	V. K. Greer, M.A.	London.
do do	G. A. Wheable, B.A.	London.
Niagara Falls, do and St. Catharines	D. C. Hetherington	St. Catharines.
Ottawa, do	J. H. Putman, B.A., D.Paed.	Ottawa.
do do	E. T. Slemon, B.A., D.Paed.	Ottawa.

List of Inspectorates and Inspectors (Continued)

Inspectorates	Public School Inspectors	Post Office
Peterborough, City of	A. Mowat, B.A.	Peterborough.
Toronto, do	R. H. Cowley, M.A., Chief Inspector	Toronto.
do do	Jos. W. Rogers, M.A.	Toronto.
do do do do	Geo. H. Armstrong, M.A., B. Paed.	Toronto.
do do	D. D. Moshier, B.A., B.Paed.	Toronto.
do do	N. S. MacDonald, B.A., D.Paed.	Toronto.
do do	Walter Bryce, B.A.	Toronto.
do do	Miss A. E. Marty, M.A., LL.D.	Toronto.
Windsor, do Sandwich and Walkerville Towns	J. E. Benson, M.A.	Windsor.

R.C. Separate School Inspectors

J. F. Power, M.A.	Toronto, 33 Dalton Rd.
J. F. Sullivan, B.A.	London, 873 Hellmuth Ave.
Jas. E. Jones, B.A.	Ottawa, 104 Henderson Ave.
J. P. Finn, B.A.	Peterborough.
W. J. Lee, B.A.	Toronto, 434 Brunswick Ave.
J. M. Bennett, B.A.	Toronto, 47 Browning Ave.
Vincent C. Quarry, B.A.	Parkhill, R.R. 8.
Thomas S. Melady	Stratford.

English-French Public and Separate School Inspectors

J. S. Gratton	Toronto, 280 Jarvis St.
Jno. C. Walsh, B.A.	Ottawa, 72 Sweetland Ave.
James Scanlan, B.A.	Toronto, 41 Harvie Ave.
Joseph Lapensee, B.A.	Plantaganet.

Public and Separate Schools

John Waugh, M.A., D.Paed., Chief Insp.	Toronto, Parliament Buildings.
W. I. Chisholm, M.A., Assistant	Toronto, Parliament Buildings.
J. B. McDougall, B.A., D.Paed., General Inspector for the Districts	North Bay.
Neil McDougall, B.A., General Inspector	Toronto, Parliament Buildings.

High School Inspectors

J. A. Houston, M.A.	Toronto, 105 Roxborough St. W.
I. M. Levan, B.A.	Toronto, 144 Balmoral Ave.
Geo. F. Rogers, B.A.	Toronto, 104 Glencairn Ave.

Continuation School Inspectors

G. K. Mills, B.A.	Toronto, Parliament Buildings.
J. P. Hoag, B.A.	Toronto, Parliament Buildings.

Manual Training and Household Science Inspector

Albert H. Leake	Toronto, Parliament Buildings.

Inspector of Elementary Agricultural Education

J. B. Dandeno, B.A., Ph.D.	Toronto, Parliament Buildings.

Inspector of Auxiliary Classes

S. B. Sinclair, M.A., Ph.D.	Toronto, Parliament Buildings.

January, 1923.

APPEN
TEACHERS'
FINANCIAL

	Name of Institute	Total Registered Attendance of Members	Receipts		
			Government Grant	Municipal Grant	Members' Fees
			$ c.	$ c.	$ c.
1	Algoma East	170	50 00	......	85 00
2	Algoma (Eastern Division)	26	50 00	......	13 00
3	Brant	150	50 00	50 00	102 50
4	Bruce East	125	50 00	50 00	......
5	Bruce West	116	50 00	50 00	27 00
6	Carleton East	156	50 00	50 00	78 00
7	Carleton West and Lanark East	103	50 00	50 00	109 00
8	Dufferin	107	50 00	50 00	......
9	Dundas	100	50 00	100 00	100 00
10	Elgin East	107	50 00	50 00	53 50
11	Elgin West	112	50 00	50 00	26 25
12	Essex	84	25 00	50 00	......
13	Essex South	167	50 00	100 00	41 75
14	Frontenac North and Addington	53	25 00	9 69	13 25
15	Frontenac South	107	50 00	50 00	26 50
16	Glengarry	95	50 00	......	20 50
17	Grey East	88	25 00	50 00	17 75
18	Grey West	123	......	50 00	68 50
19	Grey South	93	50 00	50 00	20 00
20	Haldimand	104	50 00	50 00	25 50
21	Haliburton	47	25 00	25 00	11 75
22	Halton	105	......	25 00	52 50
23	Hastings Centre	101	50 00	50 00	41 75
24	Hastings North	65	25 00	25 00	14 50
25	Hastings South and Belleville	131	50 00	67 41	34 25
26	Huron East	132	......	......	58 50
27	Huron West	125	50 00	100 00	59 00
28	Kenora	47	50 00	......	......
29	Kent East	110	50 00	50 00	53 00
30	Kent West and City of Chatham	159	50 00	50 00	39 75
31	Lambton East	114	50 00	50 00	54 00
32	Lambton West	158	......	50 00	80 50
33	Lanark West and Smith's Falls	130	50 00	50 00	26 00
34	Leeds East and Brockville (No. 2)	114	50 00	50 00	54 00
35	Leeds West (No. 1)	84	50 00	50 00	20 75
36	Leeds and Grenville (No. 3)	102	......	50 00	47 50
37	Lennox and Addington	103	50 00	25 00	25 75
38	Lincoln	125	50 00	50 00	57 50
39	Manitoulin	56	100 00	......	56 00
40	Middlesex East	124	50 00	50 00	60 25
41	Middlesex West	112	......	50 00	53 50
42	Muskoka	100	50 00	......	47 50
43	Nipissing	71	50 00	......	71 00
44	Norfolk	113	50 00	50 00	110 00
45	Northumberland and Durham, No. 1	102	50 00	......	24 00
46	Northumberland and Durham, No. 2	97	50 00	50 00	21 50
47	Northumberland and Durham, No. 3	89	......	50 00	21 00
48	Ontario North	95	25 00	25 00	44 00
49	Ontario South	108	50 00	50 00	......
50	Oxford	235	75 00	75 00	48 75
51	Parry Sound East	62	50 00	......	14 00
52	Parry Sound West	69	50 00	......	34 50
53	Peel	110	50 00	50 00	110 00
54	Perth and City of Stratford	238	75 00	75 00	111 50
55	Peterborough	109	50 00	50 00	52 00
56	Prescott and Russell	101	50 00	50 00	25 35

DIX N
INSTITUTES
STATEMENT

	Receipts (Continued)		Expenditure				
	Balances and Other Sources	Total Receipts	Printing, Postage, etc.	Libraries, Educational Journals	Miscellaneous	Total Expenditure	Balances
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1	143 11	278 11	12 27	......	135 00	147 27	130 84
2	45 23	108 23	6 87	2 50	42 15	51 52	56 71
3	186 82	389 32	30 30	62 16	217 55	310 01	79 31
4	405 63	505 63	43 83	14 25	163 80	221 88	283 75
5	360 02	487 02	9 00	155 00	144 75	308 75	178 27
6	31 95	209 95	15 62	50 52	109 85	175 99	33 96
7	90 49	299 49	72 69	54 00	136 10	262 79	36 70
8	372 87	472 87	57 20	115 50	151 90	324 60	148 27
9	17 50	267 50	41 44	......	111 50	152 94	114 56
10	64 28	217 78	19 20	50 00	64 20	133 40	84 38
11	150 39	276 64	13 80	61 66	28 00	103 46	173 18
12	115 44	190 44	9 55	30 00	25 00	64 55	125 89
13	70 95	262 70	9 60	......	73 40	83 00	179 70
14	51 88	99 82	8 24	56 08	33 85	98 17	1 65
15	256 45	382 95	11 67	60 00	153 25	224 92	158 03
16	239 40	309 90	15 29	45 60	46 00	105 89	203 01
17	96 70	189 45	12 02	122 95	53 86	188 83	62
18	141 45	259 95	8 50	......	133 00	141 50	118 45
19	246 80	366 80	9 50	107 50	54 50	171 50	195 30
20	698 12	823 62	11 25	15 50	75 98	102 73	720 89
21	56 81	118 56	7 20	27 50	73 35	108 05	10 51
22	267 66	345 16	15 65	108 00	149 87	273 52	71 64
23	156 18	297 93	36 88	95 83	90 00	222 71	75 22
24	41 94	106 44	6 80	14 50	40 41	61 71	44 73
25	25 56	177 22	11 68	52 37	74 00	138 05	39 17
26	245 60	304 10	18 80	18 25	59 55	96 60	207 50
27	44 51	253 51	57 00	19 50	86 00	162 50	91 01
28	57 29	107 29	7 50	......	54 00	61 50	45 79
29	494 79	647 79	9 75	85 54	76 45	171 74	476 05
30	365 59	505 34	12 55	69 69	88 36	170 60	334 74
31	6 86	160 86	10 25	37 67	98 25	146 17	14 69
32	255 03	385 53	20 77	150 63	131 25	302 65	82 88
33	171 52	297 52	12 49	74 00	76 35	162 84	134 68
34	77 48	231 48	23 00	56 00	62 40	141 40	90 08
35	144 52	265 27	11 08	93 17	128 78	233 03	32 24
36	188 34	285 84	7 00	......	28 75	35 75	250 09
37	118 09	218 84	22 09	81 55	114 72	218 36	48
38	88 48	245 98	17 23	24 00	107 45	148 68	97 30
39	103 92	259 92	11 50	39 55	47 45	98 50	161 42
40	167 43	327 68	20 52	14 75	127 90	163 17	164 51
41	273 86	377 36	15 67	50 50	79 75	145 92	231 44
42	139 64	237 14	11 25	23 79	55 92	90 96	146 18
43	57 55	178 55	21 82	26 00	100 15	147 97	30 58
44	220 67	430 67	33 74	50 00	137 34	221 08	209 59
45	191 68	265 68	14 00	......	57 75	71 75	193 93
46	206 59	328 09	22 44	43 75	156 85	223 04	105 05
47	349 66	420 66	17 75	......	285 95	303 70	116 96
48	93 71	187 71	13 38	50 00	104 95	169 33	19 38
49	324 56	424 56	4 50	49 93	132 36	186 79	237 77
50	95 31	294 06	12 99	71 13	209 94	294 06	......
51	163 84	227 84	......	3 00	23 05	26 05	201 79
52	104 00	188 50	10 50	......	55 90	66 40	122 10
53	42 77	252 77	14 62	51 24	137 92	203 78	48 99
54	283 90	545 40	26 61	......	310 54	337 15	208 25
55	135 85	287 85	25 44	206 76	51 75	283 95	3 90
56	334 00	459 35	16 30	68 00	104 77	189 07	270 28

TEACHERS'

FINANCIAL

Name of Institute	Total Registered Attendance of Members	Receipts		
		Government Grant	Municipal Grant	Members' Fees
		$ c.	$ c.	$ c.
57 Prince Edward	105	50 00	50 00	93 00
58 Rainy River	61	50 00	......	61 00
59 Renfrew North	121	50 00	50 00	42 00
60 Renfrew South	147	50 00	50 00	74 50
61 Simcoe East	134	50 00	50 00	31 25
62 Simcoe North	122	......	50 00	30 50
63 Simcoe South-West	113	50 00	50 00	28 50
64 Stormont	130	50 00	50 00	65 00
65 Sudbury	150	50 00	......	33 75
66 Thunder Bay	245	50 00	59 40	61 25
67 Timiskaming North	80	50 00	......	40 00
68 Timiskaming South	89	50 00	......	44 50
69 Victoria	148	......	......	76 50
70 Waterloo	344	100 00	100 00	182 00
71 Welland	217	50 00	100 00	54 50
72 Wellington North	80	50 00	50 00	80 00
73 Wellington South	155	......	......	......
74 Wentworth	132	......	50 00	125 00
75 York (No. 3)	118	50 00	100 00	96 00
76 York North (No. 1)	92	50 00	100 00	44 00
77 York West (No. 2)	137	50 00	100 00	82 25
78 York East (No. 4)	125	......	......	......
79 *Ontario Educational Association	763	2,000 00	......	981 90
CITIES				
80 Brantford	124	25 00	25 00	30 50
81 Guelph	50	25 00	25 00	......
82 Hamilton	511	125 00	150 00	127 75
83 Kingston	79	25 00	25 00	39 00
84 London	285	75 00	75 00	269 00
85 Ottawa	395	100 00	100 00	270 00
86 Peterborough	114	......	......	85 50
87 St. Catharines and Niagara Falls	111	......	50 00	28 75
88 Toronto District No. 1	260	75 00	75 00	65 75
89 " " " 2	236	75 00	75 00	59 75
90 " " " 3	231	75 00	75 00	62 00
91 " " " 4	238	75 00	75 00	58 00
92 " " " 5	234	75 00	75 00	60 25
93 " " " 6	227	75 00	75 00	57 25
94 " " " 7	210	75 00	75 00	62 50
95 " " " 8	247	75 00	75 00	55 25
96 Windsor and Walkerville	220	......	50 00	121 50
Totals, 1921	13,309	6,275 00	4,411 50	6,244 00
Totals, 1920	13,303	5,514 20	3,937 57	5,116 54
Increases	6	760 80	473 93	1,127 46

*Statement for 1921-22.

INSTITUTES (Concluded)

STATEMENT (Concluded)

	Receipts (Continued)		Expenditure				
	Balances and Other Sources	Total Receipts	Printing, Postage, etc.	Libraries, Educational Journals	Miscellaneous	Total Expenditure	Balances
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
57	22 25	215 25	23 41	50 00	140 05	213 46	1 79
58	88 98	199 98	9 60	17 73	99 55	126 88	73 10
59	60 94	202 94	27 80	31 63	53 67	113 10	89 84
60	139 64	314 14	9 75	38 93	35 10	83 78	230 36
61	192 99	324 24	32 94	62 90	94 70	190 54	133 70
62	131 47	211 97	11 00	65 60	98 65	175 25	36 72
63	164 76	293 26	11 95	116 25	85 55	213 75	79 51
64	123 78	288 78	28 14	103 20	94 90	226 24	62 54
65	70 56	154 31	13 25	25 00	47 25	85 50	68 81
66	132 89	303 54	26 20	50 95	125 13	202 28	101 26
67	68 87	158 87	32 71	4 35	49 35	86 41	72 46
68	140 29	234 79	8 94	25 00	68 35	102 29	132 50
69	168 44	244 94	19 00	37 50	93 45	149 95	94 99
70	152 26	534 26	54 79	82 42	215 25	352 46	181 80
71	219 74	424 24	14 15	148 72	211 75	374 62	49 62
72	215 11	395 11	6 25	74 39	286 65	367 29	27 82
73	342 60	342 60	2 50	......	64 00	66 50	276 10
74	86 80	261 80	37 90	104 20	119 70	261 80	....
75	257 67	503 67	75 62	172 79	174 10	422 51	81 16
76	217 95	411 95	65 35	120 80	40 00	226 15	185 80
77	210 08	442 33	93 14	91 90	218 00	403 04	39 29
78	47 35	47 35	......	......	......	......	47 35
79	2,540 30	5,522 20	639 69	......	1,051 52	1,691 21	3,830 99
80	55 06	135 56	9 00	53 25	65 09	127 34	8 22
81	61 02	111 02	1 53	38 72	44 55	84 80	26 22
82	298 57	701 32	31 93	323 28	190 35	545 56	155 76
83	102 52	191 52	12 69	70 98	90 74	174 41	17 11
84	62 34	481 34	46 30	111 97	263 83	422 10	59 24
85	503 97	973 97	47 54	156 40	640 15	844 09	129 88
86	140 43	225 93	27 25	60 59	118 05	205 89	20 04
87	85 50	164 25	8 95	51 80	36 40	97 15	67 10
88	11 00	226 75	8 56	......	118 00	126 56	100 19
89	184 31	394 06	7 00	......	244 76	251 76	142 30
90	169 83	381 83	33 96	256 45	83 25	373 66	8 17
91	206 91	414 91	33 55	166 00	107 88	307 43	107 48
92	179 68	389 93	28 69	127 05	232 60	388 34	1 59
93	107 37	314 62	45 69	145 00	89 20	279 89	34 73
94	215 71	428 21	2 00	15 00	152 83	169 83	258 38
95	589 04	794 29	38 33	47 35	623 02	708 70	85 59
96	80 55	252 05	53 00	......	100 00	153 00	99 05
	18,730 20	35,660 70	2,698 64	5,807 92	12,341 19	20,847 75	14,812 95
	16,873 57	31,441 88	2,419 65	5,120 72	10,375 59	17,915 96	13,525 92
	1,856 63	4,218 82	278 99	687 20	1,965 60	2,931 79	1,287 03

APPEN

FIFTH CLASSES

Inspectorate		Name of School (In the case of rural schools the section number and the name of the township are given.)	Post Office
Algoma	1	U. 2 Tarbutt and Laird	MacLennan
Brant and North Norfolk (in part)	2	11 Windham	Vanessa, R. R. 2
Bruce East	3	Mildmay	Mildmay
Bruce, West	4	Tiverton	Tiverton
	5	6 Kincardine	Armow
Dundas	6	22 Mountain	Mountain
	7	4 Winchester	Winchester
Elgin East	8	16 Bayham	Corinth
	9	3 Southwold	Southwold Station
	10	9 Southwold	Shedden
	11	3 Yarmouth	Union
	12	13 Yarmouth	St. Thomas
Elgin West	13	1 Aldboro	Rodney
	14	7 Dunwich	Dutton
Essex	15	2 Pelee Island	Pelee Island
Grey, East	16	U.12 Artemesia	Priceville
	17	3 Euphrasia	Kimberley
	18	U. 4 Euphrasia	Heathcote
Grey, South	19	Neustadt	Neustadt
Haldimand	20	3 Walpole	Selkirk
Halton and Wentworth (in part)	21	9 West Flamboro'	Dundas, R. R. 4
	22	10 West Flamboro'	Freelton
Hastings, Centre	23	1 Hungerford	Thomasburg
	24	13 Hungerford	Bogart
	25	U.1 & 3 Huntingdon	West Huntingdon
Huron, East	26	17 Howick	Fordwich
	27	7 Howick	Gorrie
Huron, West	28	U. 8 Ashfield	Dungannon
	29	7 Hay	Zurich
	30	5 Stephen	Crediton
	31	U.16 Stephen	Dashwood
	32	6 Usborne	Woodham, R. R. 1
	33	4 West Wawanosh	Lucknow
	34	Bayfield	Bayfield
Kenora in part, Thunder Bay East, etc.	35	1 Schreiber	Schreiber
	36	Sioux Lookout	Sioux Lookout
Kent, East	37	10 Raleigh	Blenheim
	38	2 Harwich	Chatham, R. R. 3

DIX O

1921-22

	Teachers			Pupils		Grade of Fifth Class				
	Name of Principal and Degree if any	Professional Certificate	Annual Salary, 1922	No. of Pupils	Average Daily Attendance	A	B	C	Total Value of Approved Equipment	Legislative Grant
			$						$ c.	$ c.
1	Margueretta L. Martin..	II	1,200	10	8	....	1	....	89 00	128 58
2	Revah E. Miller........	II	1,000	6	4..	....	1	....	214 75	75 24
3	Wm. V. Tovell.........	II	1,250	9	8	....	....	1	551 60	115 91
4	Maude B. Alexander....	II	1,175	6	5	....	1	....	356 19	116 17
5	Myrtle McCarty.......	I	1,050	4	3	....	....	1	68 78	75 59
6	Howard Fader.........	II	1,100	6	5	....	1	....	509 79	94 35
7	Alta A. Robinson.......	II	1,000	3	3	1	....	....	344 95	125 14
8	Erie V. Amoss.........	II	1,100	9	6	....	1	....	232 71	76 79
9	Alice Campbell.........	II	1,050	5	4	....	1	....	269 38	79 99
10	Annie C. Ferguson......	II	1,125	3	3	....	1	....	229 42	76 51
11	Ethel Donaldson.......	II	1,000	3	2	....	....	1	204 37	65 63
12	Edward Witty.........	II	1,200	3	3	....	....	1	201 50	65 38
13	Margaret Kelly.........	II	1,000	6	4	....	....	1	91 55	55 81
14	Bernice McAllister......	II	1,000	2	2	....	....	1	142 65	60 27
15	Frances Archer.........	II	1,200	3	2	....	1	....	136 86	68 45
16	Myrtle Kidd...........	II	1,100	15	12	....	1	....	272 24	80 23
17	Charlotte Luxon.......	I	1,200	10	6	....	1	....	255 00	100 48
18	Mamie Mackey........	II	1,100	4	3	....	1	....	87 25	64 14
19	H. M. Ermel...........	II	1,250	11	9	....	1	....	219 79	106 12
20	John Henry............	II	1,650	16	13	....	1	....	686 00	100 05
21	Robert N. Weir........	II	1,415	7	6	....	1	....	322 57	83 70
22	Nina M. Kirk..........	I	1,100	5	4	....	1	....	137 22	90 24
23	Stanley Beatty.........	I	1,450	8	7	....	1	....	208 00	95 44
24	Miss E. B. McGrath....	I	1,125	3	2	....	1	....	84 00	85 61
25	Miss L. S. Sprague.....	I	1,200	6	6	....	1	....	81 00	85 35
26	Geo. H. Jefferson.......	II	1,550	8	7	....	1	....	325 34	83 89
27	Gordon Jefferson.......	II	1,550	3	2	....	1	....	233 30	76 85
28	Frederick Ross.........	II	1,500	7	6	1	....	....	226 00	115 36
29	Melville Milliken.......	II	1,400	25	23	1	....	....	415 00	128 24
30	M. C. Roszell, B.A.....	II	1,450	14	13	1	....	....	449 00	155 90
31	Nelson E. Dahms......	II	1,500	11	9	1	....	....	346 00	125 28
32	Lila McCulloch........	I	1,300	18	16	1	....	....	265 00	140 50
33	Dorothy Douglas.......	I	950	9	7	1	....	....	234 00	116 06
34	Grace Pinder..........	I	1,100	7	6	....	1	....	341 00	115 28
35	Geo. A. Evans.........	III	2,100	35	29	1	....	....	203 00	226 72
36	W. K. F. Kendrick.....	I	1,900	11	9	1	....	....	187 00	319 70
37	Mrs. Pearl W. Pardo....	II	1,200	3	2	....	....	1	116 72	58 00
38	Wilhelmina McCuaig...	I	1,050	3	2	....	1	....	160 00	70 47

FIFTH CLASSES

Inspectorate		Name of School (In the case of rural schools the section number and the name of the township are given.)	Post Office
Kent, West	39	9 Chatham	Tupperville
Lambton, East	40	1 Dawn	Tupperville, R. R. 2
	41	10 Dawn	Dresden, R. R. 2
	42	13 Dawn	Croton, R. R. 2
	43	20 Dawn	Croton, R. R. 1
	44	5 Euphemia	Florence
Lambton, West	45	Courtright	Courtright
	46	11 Moore	Brigden
Leeds and Grenville, No. 2	47	Mallorytown Consolidat'd	Mallorytown
Leeds and Grenville, No. 3	48	1 & 5 Oxford and Marlborough	Burritt's Rapids
Lincoln	49	10 S. Grimsby	Smithville, R. R. 1
	50	3 Louth	St. Catharines, R. R. 1
Manitoulin	51	Mindemoya Consolidated.	Mindemoya
Middlesex, East	52	14 & 9 N. and S. Dorchester	Belmont, R. R. 1
Northumberland and Durham, No. 1	53	7 Manvers	Janetville
Northumberland and Durham, No. 3	54	U.16 & 18 Murray and Brighton	Wooler
Ontario, North	55	U. 4 Brock	Manilla
	56	5 Scott	Zephyr
Ontario, South	57	West 4 Pickering	Pickering
Oxford, North	58	Embro	Embro
	59	10 E. Zorra	Innerkip
Oxford, South	60	12 Dereham	Brownsville
Parry Sound, South	61	U. 1 Chapman	Magnetawan
	62	7 Humphrey	Rosseau
	63	1 McKellar	McKellar
	64	Nobel Consolidated	Nobel
Parry Sound, East	65	4 Himsworth, South	Callander
	66	1 McConkey	Loring
	67	1 Nipissing	Nipissing
	68	Kearney	Kearney
	69	South River	South River
	70	Sundridge	Sundridge
	71	Trout Creek	Trout Creek
Prescott and Russell	72	2 Cumberland	Vars
	73	5 Cumberland	Cumberland
	74	10 & 3 Plantagenet, N. & S.	Pendleton
	75	L'Orignal	L'Orignal
Rainy River, etc	76	Rainy River	Rainy River
	77	Morley Consolidated	Stratton
	78	5 Lash	Emo
	79	Barwick Consolidated	Barwick

1921-22 (Continued)

Teachers			Pupils		Grade of Fifth Class				
Name of Principal and Degree if any	Professional Certificate	Annual Salary, 1922	No. of Pupils	Average Daily Attendance	A	B	C	Total Value of Approved Equipment	Legislative Grant
		$						$ c.	$ c.
39 F. Mydra Smith	I	1,425	5	4	....	1	....	256 43	89 73
40 Edith J. Hatton	II	1,050	6	4	....	....	1	125 28	58 75
41 Loretta McGuire	II	1,000	3	2	....	....	1	106 56	56 99
42 Agnes B. Dillon	II	1,100	8	6	....	....	1	176 24	63 18
43 Rose M. McKerracher	I	1,100	2	2	....	....	1	111 13	57 52
44 Norma Gilbert	II	1,200	12	11	1	....	....	276 46	119 76
45 Elsa I. Craig	II	1,200	3	2	....	1	....	224 00	106 49
46 W. E. Jarrott	II	1,200	19	17	1	....	....	639 96	127 82
47 W. L. Oliver	I	1,500	20	14	1	....	....	153 00	130 76
48 Mabel E. McKeever	I	1,200	7	4	....	1	....	327 85	84 99
49 Ethel Aikenhead	I	1,200	8	8	....	....	1	148 15	82 49
50 Beavin McConnell	II	1,100	5	5	....	1	....	144 93	80 03
51 Frank Purdy	I	1,537	20	15	....	1	....	823 00	176 26
52 Kathleen Robb	II	1,000	2	2	....	1	....	187 49	68 50
53 G. A. Biggs	II	1,100	3	2	....	1	....	......	56 55
54 J. Leonard Wilson	II	1,100	8	7	1	....	....	321 65	121 86
55 Mrs. Wm. Townshend	II	1,000	5	3	....	1	....	205 03	74 38
56 Julius Rynard	II	1,350	6	5	....	1	....	211 03	74 91
57 W. A. Henderson	II	1,200	10	6	1	....	....	297 00	121 54
58 R. Ardiell	II	1,400	4	3	....	1	....	359 57	118 28
59 Helen M. Mott	I	1,100	3	2	....	1	....	397 29	91 12
60 Jessie Kelso	I	1,300	4	3	1	....	....	409 87	147 94
61 Godfrey Grunig	II	1,500	12	8	....	1	....	428 59	180 38
62 Keith Stevenson	I	1,500	5	4	....	1	....	205 11	148 78
63 Clarence M. Ross	II	1,200	15	12	1	....	....	322 71	247 56
64 Charles E. Stuart	II	1,800	5	2	....	1	....	101 05	130 68
65 Roy W. Warnica	II	1,450	4	3	1	....	....	216 00	228 98
66 Thos. C. McKay	II	1,200	3	3	....	1	....	190 00	146 16
67 M. Betty Sliter	I	1,400	5	5	....	1	....	298 00	208 46
68 Joseph R. Teasdale	II	1,300	9	7	....	1	....	420 00	246 72
69 Wm. L. Hunter	II	1,300	8	5	1	....	....	294 00	294 76
70 Annie E. Scott	II	1,300	14	9	1	....	....	224 00	282 58
71 Percy Boyce	II	1,200	2	2	....	1	....	257 00	218 72
72 Hadley Melvin	Temp.	1,000	5	3	1	....	....	308 33	120 93
73 H. H. Carlyle	I	1,200	10	7	1	....	....	207 42	113 74
74 Mary Watson	II	1,200	2	2	....	1	....	209 51	74 78
75 Sr. St. Armand	II	800	7	5	1	....	....	289 87	138 16
76 Ruth Denike	I	1,300	30	22	1	....	....	403 00	308 50
77 Myrtle Young	I	1,500	10	8	....	1	....	306 00	206 54
78 Percy W. Farr	I	1,500	19	16	1	....	....	239 00	229 86
79 M. T. Cathcart	I	1,800	19	16	....	1	....	346 00	182 70

FIFTH CLASSES

Inspectorate	Name of School (In the case of rural schools the section number and the name of the township are given.)	Post Office
Renfrew, North 80	6 Ross	Forester's Falls
81	7 Westmeath	Beachburg
Simcoe, East 82	Port McNicoll	Port McNicoll
83	Victoria Harbour	Victoria Harbour
Simcoe, North 84	6 Flos	Phelpston
Sudbury (in part) 85	1 Creighton and Snider	Creighton Mine
86	2 Denison and Drury	Worthington
87	2 Neelon	Coniston
88	Webbwood	Webbwood
Victoria, East 89	U. 3 Somerville	Kinmount
Victoria, West 90	U. 1 Bexley and Somerville	Coboconk
91	8 Eldon	Kirkfield
92	12 Mariposa	Oakwood
93	Woodville	Woodville
Waterloo North 94	16 Wellesley	Wellesley
Welland, South 95	9 Bertie	Stevensville
Wellington, South 96	6 Erin	Hillsburg
Wentworth 97	5 Ancaster	Ancaster
98	U. 7 West Flamboro	Millgrove
99	3 Saltfleet	Stony Creek
York, No. 1 100	9 Georgina	Pefferlaw
101	2 King	King
102	19 King	Nobleton
103	23 King	King
104	12 Whitchurch	Bethesda
York, No. 2 105	Woodbridge	Woodbridge
York, No. 4 106	15 York	Fairbank, R. R. 1
107	22 York	Toronto, 11 Keele St.
108	27 York	Todmorden
R. C. Separate Schools—		
Inspector Finn 109	3 Mara	Brechin
110	4 Emily	Downeyville
Inspector Jones 111	10 Lancaster	Dalhousie Sta., P.Q., R. R. 1
112	15 Charlottenburgh	St. Raphael, West
113	15 Cornwall	St. Andrew's, West
Inspector Lapensee 114	10 Alfred	Alfred

1921-22 (Continued)

Teachers			Pupils		Grade of Fifth Class				
Name of Principal and Degree if any	Professional Certificate	Annual Salary, 1922	No. of Pupils	Average Daily Attendance	A	B	C	Total Value of Approved Equipment	Legislative Grant
		$ c.						$ c.	$ c.
80 Hazel Fraser..........	II	1,500	22	18	....	1	....	273 26	80 33
81 Edna J. Johnston......	II	1,800	43	38	1	....	....	323 46	123 84
82 Lewis E. Armstrong....	I	1,500	14	13	1	....	....	200 23	160 98
83 Gordon A. Chisholm ...	II	1,450	17	13	1	....	....	307 70	148 57
84 J. H. Hall............	II	1,200	5	3	....	....	1	213 50	66 42
85 Ursula M. Black......	II	1,600	6	6	1	....	....	111 00	210 72
86 Edward C. McDermott.	I	1,500	4	4	....	....	1	102 00	113 44
87 John T. Kidd.........	II	1,600	11	11	1	....	....	508 00	263 60
88 Grant Barnes.........	I	1,500	3	2	1	....	....	440 00	315 64
89 W. L. Walling.........	I	1,200	7	4	1	....	....	227 76	115 07
90 Eugene Richardson....	II	1,050	4	3	....	1	....	380 00	83 26
91 Mona A. Ross.........	II	1,000	3	3	....	1	....	223 00	77 53
92 Wm. MacMillan, B.A..	II	1,300	9	8	....	1	....	221 00	97 44
93 G. B. Rennie.........	II	1,250	4	2	....	1	....	203 00	104 66
94 Wm. H. Hartman.....	II	1,350	3	3	1	....	....	209 94	113 96
95 Mrs. I. F. Baker......	I	1,128	15	11	1	....	....	351 83	137 18
96 Ross R. McKay.......	II	1,200	6	5	....	1	....	256 06	78 82
97 Robert A. Riddell.....	II	1,900	14	9	1	....	....	293 26	119 48
98 John A. Dalton........	II	1,300	2	2	....	1	....	244 75	77 85
99 Robert L. Hyslop.....	II	1,500	5	4	1	....	....	257 93	118 12
100 Elva E. McPhaden....	II	1,000	3	3	....	1	....	250 00	78 04
101 Tillie A. Patton.......	II	1,100	3	2	....	1	....	218 00	75 52
102 Wm. J. Robertson.....	II	1,100	5	4	....	1	....	216 00	75 34
103 Walter Rolling........	II	1,200	4	3	....	....	1	233 00	68 12
104 Marjorie Heaslip......	II	1,100	4	2	....	....	1	233 00	68 12
105 Geo. W. Shore........	II	1,600	7	6	1	....	....	372 63	154 22
106 John Gilchrist.........	II	2,000	15	14	....	1	....	186 58	72 78
107 John A. Short.........	I	2,200	17	13	1	....	....	121 31	112 46
108 Viola M. Isard........	I	1,350	8	7	....	....	1	111 19	79 27
109 Mary C. O'Brien......	I	1,100	20	18	1	....	....	233 38	131 87
110 Helen F. Shannon.....	I	1,300	14	12	1	....	....	99 35	119 93
111 Sr. M. Jerome, B.A....	I	1,500	61	49	1	....	....	1,114 04	185 00
112 Sr. M. St. Florina, B.A.	I	1,500	34	27	1	....	....	768 75	180 46
113 Sr. M. Camilla........	II	1,200	24	20	1	....	....	472 98	154 37
114 Sr. Jos. Herman.......	Dist.	800	5	5	1	....	....	296 63	89 63

FIFTH CLASSES

Inspectorate		Name of School (In the case of rural schools the section number and the name of the township are given.)	Post Office
Inspector Melady	115	U. 1 Carrick and Culross	Formosa
	116	Mildmay	Mildmay
	117	2 Ashfield	Goderich, R. R. 3
	118	U. 6 Stephen and McGillivray	Parkhill, R. R. 8
	119	U. 6 Ellice and Logan	Sebringville, R. R. 1
	120	U. 2 Hibbert, McKillop and Logan	Dublin
Inspector Quarry	121	Killaloe	Killaloe
	122	Mattawa	Mattawa
	123	7 Bromley	Douglas
	124	1 Brougham	Ashdad, R. R. I
Inspector Scanlan	125	7 Hawkesbury, E.	St. Eugene

1921-22 (Concluded)

Teachers			Pupils		Grade of Fifth Class				
Name of Principal and Degree if any	Professional Certificate	Annual Salary, 1922	No. of Pupils	Average Daily Attendance	A	B	C	Total Value of Approved Equipment	Legislative Grant
								$ c.	$ c.
115 Sr. M. Bridilia........	II	1,300	10	8	1	....	....	152 99	125 30
116 Sr. Solania............	II	1,000	10	9	1	....	....	428 76	179 75
117 Sr. M. Isabel, B.A.....	I	1,100	21	18	1	....	....	708 11	180 90
118 Madeleine Glavin.....	II	1,200	6	5	1	....	....	151 49	123 65
119 Sr. M. Fidelis, B.A....	I	1,200	10	9	1	....	....	968 68	185 00
120 M. M. Dolores, A.B...	I	1,300	60	54	1	....	....	625 96	180 52
121 Sr. Nativity..........	I	850	20	18	1	....	....	308 32	172 46
122 Wm. A. Ostrander.....	I	1,500	12	11	1	....	....	585 88	420 90
123 Sr. Margaret..........	I	2,000	58	53	1	....	....	719 82	185 00
124 Sr. Beatrice...........	II	1,600	29	25	1	....	....	381 90	142 85
125 Sr. F. Xavier.........	I	600	17	16	1	....	....	463 10	94 10
Totals, 1921-22......	......	* 1,287	1338	1100	54	54	17	36,434 97	†15,964 63
Totals, 1920-21......	......	* 1,188	1001	774	53	43	9	31,570 86	18,549 21
Increases...............	......	99	337	326	1	11	8	4,864 11	....
Decreases...............	......	....	...	..	..	..	..	......	2,584 58

* Average salary.

†In addition there was paid on equipment the sum of $75.71 to schools that did not qualify as Fifth Classes in 1921-22.

APPENDIX P

RURAL SCHOOL LIBRARIES, OCT. 1st, 1921, TO OCT. 1st, 1922

Inspectorate	No. of schools purchasing books to the value of $10 during the year	Total amount expended by such schools during the year for books recommended	Total Government grant	No. of rural school libraries in inspectorate	No. of libraries established during the year
		$ c.	$ c.		
Algoma	4	97 13	33 80	50	......
Brant and Norfolk in part	17	232 65	103 12	77	......
Bruce East	17	186 48	85 79	84	......
Bruce West	57	825 89	362 80	83	......
Carleton East	15	239 38	94 64	85	1
Carleton West, and Lanark East	22	259 83	119 52	82	......
Dufferin	31	394 80	172 60	92	......
Dundas	11	144 79	66 62	75	......
Elgin East	38	451 60	203 77	78	......
Elgin West	6	78 14	35 94	34	1
Essex	39	719 78	282 24	97	......
Essex North in part	5	81 05	33 72	15	......
Frontenac North, and Addington	11	117 96	54 26	77	......
Frontenac South	7	86 74	39 90	95	......
Glengarry	5	61 79	28 43	75	......
Grey East	5	112 13	45 71	80	......
Grey South,	12	168 02	77 12	66	......
Grey West	17	187 17	86 09	70	......
Haldimand	15	193 67	80 69	74	......
Haliburton and Muskoka East	....	....	....	71	......
Halton and Wentworth in part	19	259 93	115 04	68	......
Hastings Centre	17	213 10	96 52	70	......
Hastings North	18	261 56	110 57	57	1
Hastings South	20	249 29	112 39	50	......
Huron East	23	276 74	127 28	84	......
Huron West	5	62 15	28 58	99	......
Kenora in part, Thunder Bay East, and Algoma in part	6	110 48	47 33	28	1
Kent East	29	576 26	189 57	69	......
Kent West	32	365 85	170 30	65	......
Lambton East	13	174 92	73 49	87	......
Lambton West	13	142 29	65 45	82	......
Lanark West	27	315 66	142 54	72	......
Leeds and Grenville, No. 1	12	183 97	74 04	75	......
Leeds and Grenville, No. 2	14	161 28	74 17	69	1
Leeds and Grenville, No. 3	7	89 84	41 32	73	......
Lennox	6	67 24	30 94	82	......
Lincoln	35	596 34	251 84	65	......
Manitoulin, etc	8	154 66	56 64	54	1
Middlesex East	26	374 12	168 38	103	......
Middlesex West	19	247 26	111 27	81	......
Muskoka South-West	15	206 76	95 12	76	......
Norfolk	11	135 29	62 43	83	......
Northumberland and Durham, No. 1	17	228 93	104 50	63	......
Northumberland and Durham, No. 2	25	418 99	187 37	74	......
Northumberland and Durham, No. 3	6	112 00	40 83	66	1
Ontario North	22	369 07	157 06	76	......
Ontario South	7	96 71	44 41	43	......
Oxford North	21	358 87	133 86	58	......
Oxford South	6	69 12	31 80	48	......
Parry Sound East, and Muskoka North	8	124 60	57 99	73	2
Parry Sound South	5	136 19	40 65	69	2

RURAL SCHOOL LIBRARIES, OCT. 1st, 1921, TO OCT. 1st, 1922 (Concluded)

Inspectorate	No. of schools purchasing books to the value of $10 during the year	Total amount expended by such schools during the year for books recommended	Total Government grant	No. of rural school libraries in inspectorate	No. of libraries established during the year
		$ c.	$ c.		
Peel	11	196 85	74 08	74	......
Perth North	11	181 40	73 35	68	......
Perth South	8	158 36	63 00	44	......
Peterborough East	15	173 45	79 67	71	......
Peterborough West, and Victoria East	9	114 87	49 81	54	1
Prescott and Russell	5	58 38	26 85	81	......
Prince Edward	16	226 63	86 32	71	......
Rainy River and Kenora in part	....	....	....	47	......
Renfrew North	2	34 96	16 08	77	1
Renfrew South	5	78 74	28 94	81	1
Simcoe East	20	388 31	163 78	58	......
Simcoe North	13	161 10	74 05	59	......
Simcoe South	8	141 02	63 35	87	......
Stormont	13	179 21	80 92	75	......
Sudbury	16	259 80	102 86	43	1
Thunder Bay West	5	66 85	28 79	53	......
Timiskaming Centre	8	175 66	60 95	52	1
Timiskaming North, and Algoma North in part	....	....	....	26	......
Timiskaming South, and Nipissing	2	34 95	16 08	48	......
Victoria West	22	244 02	112 25	72	......
Waterloo North	15	197 13	88 83	40	......
Waterloo South	11	144 83	66 62	42	......
Welland North	12	173 13	79 38	35	......
Welland South	13	169 39	77 63	13	......
Wellington North	15	274 26	105 12	65	......
Wellington South	26	394 05	172 17	68	......
Wentworth	34	487 56	212 04	70	......
York, No. 1	49	556 00	255 76	67	......
York, No. 2	19	470 52	121 97	40	2
York, No. 3	21	515 87	140 79	45	......
York, No. 4	3	101 58	30 00	11	......
R. C. Separate Schools:					
Inspector Bennett	5	73 88	38 20	14	1
" Finn	25	383 71	205 09	45	......
" Jones	7	89 73	51 28	20	......
" Lee	4	43 18	25 90	10	......
" Melady	28	389 89	216 16	47	......
" Quarry	15	181 26	105 56	52	2
" Sullivan	2	20 40	10 00	6	1
" Walsh	1	11 23	6 73	8	......
Acting Inspector Beneteau	10	180 85	87 27	20	1
Totals, 1921-22	1,330	19,511 48	8,348 07	5,581	23
Totals, 1920-21	1,286	18,125 48	8,310 06	5,602	33
Increases	44	1,386 00	38 01	....	......
Decreases	....	....	....	21	10

APPENDIX Q

CADET CORPS, 1922

Collegiate Institutes, High, Public and Separate Schools having Cadet Corps with at least twenty members between the ages of 12 and 18 years in the case of Public and Separate Schools, and between 16 and 18 years in other cases.

COLLEGIATE INSTITUTES: Barrie, Brantford, Brockville, Clinton, Cobourg, Collingwood, Fort William, Galt, Goderich, Guelph, Hamilton, Ingersoll, Kingston, Kitchener, London, Lindsay, Napanee, Niagara Falls, Orillia, Ottawa, Owen Sound, Perth, Peterborough, Picton, Port Arthur, Renfrew, St. Catharines, St. Thomas, St. Mary's, Sarnia, Seaforth, Smith's Falls, Stratford, Strathroy, Toronto (Harbord, Humberside, Jarvis, Malvern, Oakwood, Parkdale, Riverdale), Vankleek Hill, Windsor and Woodstock. Total 44.

HIGH SCHOOLS: Almonte, Athens, Aurora, Belleville, Bowmanville, Campbellford, Carleton Place, Chesley, Cornwall, Dundas, Dunnville, Fergus, Gananoque, Georgetown, Haileybury, Harriston, Iroquois, Kenora, Kincardine, Leamington, Listowel, Lucan, Markdale, Markham, Meaford, Midland, Mount Forest, Niagara Falls South, Norwood, Orangeville, Oshawa, Pembroke, Port Hope, Tillsonburg, Toronto (Davenport, North), Trenton, Uxbridge, Wallaceburg, Welland, Whitby, Wiarton, Wingham. Total 43.

VOCATIONAL SCHOOLS: London, Ottawa, Toronto (Commerce, Technical). Total 4.

CONTINUATION SCHOOLS: Lakefield, Millbrook, Southampton. Total 3.

PUBLIC SCHOOLS: Arthur, Barrie, Belleville (3), Blenheim, Brockville, Chatham (3), Dundas, Dresden, Fairbank (3), Fort Frances, Hamilton (20), Iroquois Falls, Keewatin, Kenora, Kingston (3), Kitchener (2), London (12), Mimico, Niagara Falls (3), Orangeville, Ottawa (9), Paris, Peterboro (4), Port Arthur (5), Port Hope, St. Catharines (3), St. Mary's, St. Thomas (6), Stratford (5), Sudbury, Teeswater, Todmorden (No. 27, York), Toronto (64), Walkerton, Waubaushene (No. 12, Tay), Windsor (7), Woodbridge. Total 173.

R. C. SEPARATE SCHOOLS: Hamilton (7), London, Toronto (21), Total 29.

Total number of Cadet Corps, 296.

APPENDIX R

SUPERANNUATED TEACHERS

(Ryerson Superannuation Scheme)

Summary for Years 1882-1922

Year	Number of Teachers on List	Expenditure for the Year	Gross Contributions to the Fund	Amount Refunded to Teachers or to the Estates of Teachers
		$ c.	$ c.	$ c.
1882	422	51,000 00	13,501 08	3,660 10
1887	454	58,295 33	1,489 00	3,815 80
1892	456	63.750 00	1,313 50	786 86
1897	424	62,800 33	847 00	620 27
1902	407	64,244 92	1,073 50	722 78
1907	375	63,018 55	766 00	764 54
1912	297	†52,696 90	†504 65	†443 01
1917	245	†48,232 00	†353 60	†810 92
1921	177	†61,417 50	†27 00	......
1922	159	†55,799 75	†4 00	†73 80

The annual allowance to each Superannuated Teacher was increased by the Legislature in 1920. Payments are at the rate of $11 per year of service instead of at $6 as formerly.

† For fiscal year ending 31st October.

APPENDIX S

FINANCIAL STATEMENT OF THE ONTARIO COLLEGE OF EDUCATION

Financial Statement for Year Ending 30th June, 1922

Expenditures for salaries and maintenance for the year ending 30th June, 1922, as detailed below		$151,855 82
Legislative Grant received therefor	$122,770 00	
Fees received	31,442 00	
	$154,212 00	
Net amount unused returned to Provincial Treasurer	2,356 18	
		$151,855 82

Expenditures

Salaries

	Payment to Officer	Superannuation reservation under 7 Geo. V, Cap. 58
Professors, each 12 mos. to 30th June:		
W. Pakenham, Dean, @ $6,000	$5,850 00	$ 150 00
H. J. Crawford, Classics, also Headmaster of University Schools, @ $5,220 (absent on sick leave)	5,089 50	130 50
P. Sandiford, Education Psychology, @ $4,800	4,680 00	120 00
Assistant Professors, also Chief Instructors, University Schools, each 12 mos. to 30th June:		
G. A. Cornish, Science, @ $4,375	4,265 62	109 38
J. T. Crawford, Mathematics, @ $4,375	4,265 62	109 38
G. M. Jones, English and History, @ $4,375	4,265 62	109 38
W. C. Ferguson, French and German, @ $4,290	4,182 75	107 25
F. E. Coombs, Elementary Subjects, @ $4,290	4,182 75	107 25
Assistant Professors, each 12 mos. to 30th June:		
W. E. Macpherson, Education, @ $4,190	4,085 25	104 75
Miss L. L. Ockley, Household Science, @ $3,000	2,925 00	75 00
Lecturers, also Instructors in University Schools, each 12 mos. to 30th June:		
S. W. Perry, Art and Commercial Work, @ $3,875	3,778 13	96 87
A. N. Scarrow, Manual Training, @ $3,560	3,471 00	89 00
G. N. Bramfitt, Music, @ $3,250	3,168 75	81 25
F. Halbus, Physical Training, @ $2,625 (paid also $300 as Instructor, University Gynasium)	2,559 36	65 64
Miss A. E. Robertson, Instructor in Household Science, 12 months' salary, $2,500	2,437 50	62 50
Instructors in University Schools, each 12 mos. to 30th June:		
J. O. Carlisle, @ $3,560	3,471 00	89 00
G. A. Cline, @ $3,250	3,168 75	81 25
E. L. Daniher, @ $3,125 (paid also $625 in Faculty of Medicine)	3,046 88	78 12
H. A. Grainger, @ $3,875	3,778 13	96 87
D. E. Hamilton, @ $3,125	3,046 88	78 12
J. A. Irwin, @ $3,750	3,656 25	93 75
W. J. Lougheed, @ $3,875	3,778 13	96 87
N. L. Murch, @ $3,125	3,046 88	78 12
T. M. Porter, @ $3,875	3,778 13	96 87
W. L. C. Richardson, @ $3,250	3,168 75	81 25
J. F. Van Every, @ $3,200 (paid also $625 in Faculty of Medicine)	3,120 00	80 00
W. H. Williams, @ $3,750	3,656 25	93 75
J. G. Workman, @ $3,560	3,471 00	89 00

	Payment to Officer	Superannuation reservation under 7 Geo. V, Cap. 58
G. S. Brett, Sessional Lecturer, Graduate Course, Science of Education (paid also as Professor of Philosophy)	$200 00	
Clerical Staff:		
Miss L. Swinarton, Secretary, 12 months to 30th June	1,500 00	
Miss Emily Fraser, 1st July to 15th September, @ $1,100 per annum (resigned)	229 17	
Miss E. G. Seldon, 15th September to 31st December, @ $20 per week; 1st January to 30th June, @ $1,100 per annum	855 33	
Messenger Service:		
Miss Ella Campbell, 50 weeks, @ $11	550 00	
	$106,726 38	$ 2,651 12
		106,726 38
		$109,377 50
Retiring Allowances		
Teachers' Insurance & Annuity Association, contribution of College for year ending 30th June, 1922, to fund for retiring.		1,512 25
Charges on Investment:		
University of Toronto, proportion of annual payment on debenture issue of 1909 for interest and sinking fund		10,000 00
Maintenance of Building:		
Fuel	2,771 47	
Light	944 73	
Water	416 09	
Caretaker's supplies	611 53	
Cleaning	2,586 70	
Repairs and renewals	2,196 06	
Telephone service	161 60	
Engineer and caretaker	1,600 00	
Firemen	606 30	
Nightwatchman	1,318 35	
		13,212 83
Maintenance of Instruction:		
Use of city schools	$5,200 00	
Observation in rural schools	231 39	
Assistance in laboratory, also piano and physical training	151 60	
Office supplies, including office furniture, printing, postage, circulars and contingencies	1,190 42	
General supplies and apparatus for class room use, including lockers and furniture	2,948 28	
Reference books, periodicals and contingencies	969 43	
Physical training, including rent and care of grounds, Field Day sports, etc.	748 91	
Lunchroom equipment	75 21	
Summer session	1,600 00	
'The School" Magazine	4,638 00	
		$17,753 24
		$151,855 82

Toronto,
22nd December, 1922.

Certified correct,
F. A. Moure, Bursar.

APPENDIX T

EXAMINATIONS

I. HIGH SCHOOL ENTRANCE EXAMINATION, 1922

Collegiate Institutes	Number granted certificates on Principal's recommendation	Number taking Departmental Examination	Number passed Departmental Examination
Barrie	....	127	106
Brantford	224	85	35
Brockville	58	91	60
Chatham	83	116	57
Clinton	....	80	63
Cobourg	....	124	111
Collingwood	....	86	84
Fort William	....	238	221
Galt	....	310	280
Goderich	....	91	57
Guelph	158	65	41
Hamilton	714	313	95
Ingersoll	....	98	72
Kingston	121	157	85
Kitchener-Waterloo	....	335	321
Lindsay	....	130	128
London	525	293	171
Morrisburg	....	48	29
Napanee	....	125	77
Niagara Falls	....	157	125
North Bay	....	171	144
Orillia	....	165	118
Ottawa	535	669	365
Owen Sound	....	227	174
Perth	....	123	94
Peterborough	179	104	70
Picton	....	71	58
Port Arthur	....	232	185
Renfrew	....	151	107
St. Catharines	....	234	188
St. Mary's	....	113	91
St. Thomas	....	276	201
Sarnia	....	287	268
Seaforth	....	95	84
Smith's Falls	....	145	114
Stratford	....	381	309
Strathroy	....	113	71
Toronto, Harbord	....	202	65
Toronto, Parkdale	....	82	8
Toronto, Jarvis	....	100	57
Toronto, Humberside	....	57	20
Toronto, Malvern Ave.	....	50	19
Toronto, Oakwood	....	112	20
Toronto, Riverdale	....	96	22
Toronto	4,280	......	......
Vankleek Hill	....	105	61
Windsor	356	87	56
Woodstock	....	226	164
Totals	7,233	7,743	5,351

High Schools	Number granted certificates on Principal's recommendation	Number taking Departmental Examination	Number passed Departmental Examination
Alexandria	....	89	58
Alliston	....	63	39
Almonte	....	68	41
Amherstburg	....	74	61
Arnprior	....	94	75
Arthur	....	84	55
Athens	....	39	25
Aurora	....	73	62
Avonmore	....	21	15
Aylmer	....	87	64
Beamsville	....	39	33
Belleville	70	40	31
Bowmanville	....	59	48
Bracebridge	....	115	65
Bradford	....	53	43
Brampton	....	128	98
Brighton	....	53	39
Burford	....	47	29
Burlington	....	83	73
Caledonia	....	55	30
Campbellford	....	78	51
Carleton Place	....	79	48
Cayuga	....	37	28
Chatsworth	....	49	36
Chesley	....	67	52
Chesterville	....	43	30
Colborne	....	42	34
Cornwall	....	161	123
Deseronto	23	14	4
Dundalk	....	55	39
Dundas	....	123	89
Dunnville	....	89	65
Durham	....	46	38
Dutton	....	77	56
Elora	....	60	50
Essex	....	117	61
Exeter	....	48	36
Fergus	....	90	74
Flesherton	....	35	22
Forest	....	67	42
Fort Frances	....	66	49
Gananoque	....	67	56
Georgetown	....	83	64
Glencoe	....	69	54
Gravenhurst	....	60	40
Grimsby	....	64	53
Hagersville	....	58	49
Haileybury	....	79	57
Harriston	....	47	36
Hawkesbury	....	50	37
Iroquois	....	36	18
Kemptville	....	71	37
Kenora	....	76	61
Kincardine	....	71	54

HIGH SCHOOL ENTRANCE EXAMINATION, 1922—Continued

High Schools.—Con.	Number granted certificates on Principal's recommendation	Number taking Departmental Examination	Number passed Departmental Examination
Kingsville		61	52
Leamington		109	82
Listowel		111	80
Lucan		74	50
Madoc		68	33
Markdale		54	41
Markham		44	35
Meaford		81	50
Midland		91	78
Milton		110	71
Mitchell		104	85
Morewood		16	10
Mount Forest		76	48
Newburgh		50	32
Newcastle		15	12
Newmarket		83	70
Niagara		28	23
Niagara Falls South		95	69
Norwich		50	31
Norwood		64	34
Oakville		100	81
Omemee		41	37
Orangeville		56	41
Oshawa		161	141
Paris		98	81
Parkhill		55	33
Parry Sound		83	71
Pembroke		184	135
Penetanguishene		70	61
Petrolia		70	55
Plantagenet		50	34
Port Dover		22	17
Port Elgin		53	48
Port Hope		89	75
Port Perry		67	51
Port Rowan		32	28
Prescott		88	64
Richmond Hill		37	22
Ridgetown		98	74
Rockland		58	48
Sault Ste. Marie	120	213	149
Shelburne		57	42
Simcoe		124	90
Smithville		24	21
Stirling		79	58
Streetsville		29	23
Sudbury		143	120
Sydenham		49	25
Thorold		61	53
Tillsonburg		73	53
Toronto, North		22	2
Trenton	63	17	8
Tweed		85	60
Uxbridge		63	42
Vienna		37	22
Walkerton		68	64
Wallaceburg		102	78
Wardsville		25	16
Waterdown		63	38

High Schools.—Con.	Number granted certificates on Principal's recommendation	Number taking Departmental Examination	Number passed Departmental Examination
Waterford		61	45
Watford		62	40
Welland		116	76
Weston	139	62	19
Whitby		67	53
Wiarton		84	58
Williamstown		48	23
Winchester		46	26
Wingham		64	47
Totals	415	8,478	6,161
Other Places			
Aberfoyle		47	31
Acton		49	39
Agincourt		68	56
Ailsa Craig		29	19
Alvinston		54	39
Ameliasburg		35	20
Ancaster		52	34
Angus		11	7
Apsley		10	5
Arkona		28	18
Ashton		23	16
Aultsville		24	15
Ayr		24	23
Ayton		9	9
Bailieboro		29	22
Bancroft		88	60
Barriefield		38	22
Barwick		24	13
Bath		21	12
Battersea		27	20
Bayfield		9	4
Beachburg		24	15
Beaverton		58	45
Beeton		27	11
Belleville, Co. Centre	57	57	18
Belle River		36	27
Belmont		19	13
Bethany		21	16
Billing's Bridge		21	15
Binbrook		30	14
Bisco		6	3
Blackstock		20	13
Blenheim		90	67
Blind River		32	27
Bloomfield		27	25
Blyth		27	16
Bobcaygeon		30	27
Bolton		41	23
Bothwell		18	15
Bowesville		17	13
Bridgeburg		46	43
Brigden		34	21
Browntown		39	22
Bruce Mines		33	32

HIGH SCHOOL ENTRANCE EXAMINATION, 1922—Continued

Other Places.—Con.	Number granted certificates on Principal's recommendation	Number taking Departmental Examination	Number passed Departmental Examination
Brussels		50	36
Burgessville		31	24
Burk's Falls		33	26
Burridge		11	8
Burritt's Rapids		8	4
Byng Inlet		19	12
Caistor Centre		14	10
Callander		11	9
Canfield		21	20
Cannington		30	20
Cardinal		33	11
Cargill		47	32
Carp		28	24
Castleton		10	5
Cataraqui		50	38
Cedarville		22	18
Chalk River		21	12
Chapleau		41	19
Charleston		48	33
Charlton		16	12
Chelmsford		9	9
Claremont		28	23
Clifford		24	14
Cobalt		106	63
Cobden		68	41
Coboconk		37	16
Cochrane		16	12
Coldstream		25	18
Coldwater		30	20
Comber		35	26
Coniston		37	33
Cookstown		31	25
Copper Cliff		62	57
Courtright		30	20
Crediton		18	15
Creemore		36	28
Creighton Mine		4	4
Crosshill		46	23
Cultus		31	19
Cumberland		11	7
Cutler		21	15
Dalkeith		21	16
Dashwood		31	19
Delaware		19	13
Delhi		66	50
Delta		70	43
Demorestville		22	18
Denbigh		12	6
Desbarats		20	12
Dickenson's Landing		18	12
Dixon's Corners		20	12
Dorchester Station		73	47
Dorion Consolidated		6	3
Douglas		19	17
Drayton		30	22
Dresden		41	29
Dromore		7	6
Drumbo		19	15
Dryden		43	22
Dungannon		25	12
Dunsford		11	10
Eastview		28	25
Easton's Corners		10	6
Echo Bay		25	17
Echo Place		84	80
Edgar		21	7
Eganville		66	47
Elk Lake		11	8
Elmira		52	39
Elmvale		64	51
Embro		29	23
Embrun		23	18
Emo		33	26
Englehart		27	17
Ennismore		18	12
Erin		60	43
Espanola		26	20
Fairbank		64	57
Fenelon Falls		52	34
Fenwick		20	14
Feversham		31	18
Fingal		61	40
Flinton		13	10
Florence		30	14
Foleyet		3	2
Fonthill		23	10
Fordwich		33	24
Forester's Falls		25	14
Fournier		28	15
Frankford	15	14	9
Galetta		25	18
Glen Allan		13	5
Gore Bay		65	57
Gowganda		1	1
Grand Valley		44	36
Haliburton		18	15
Hamilton, Co. Centre		80	71
Hanover		52	42
Harrington		11	8
Harrow		46	32
Harrowsmith		22	9
Hastings		25	18
Havelock		46	18
Hawkestone		34	21
Hearst		4	1
Hensall		40	34
Hepworth		22	12
Highgate		48	34
Hillsdale		19	11
Holstein		15	10
Hornepayne		3	3
Horning's Mills		28	16
Huntsville		60	42
Ignace		6	5
Ilderton		16	16
Innerkip		24	14
Iroquois Falls		21	17
Ivy		18	17

HIGH SCHOOL ENTRANCE EXAMINATION, 1922—Continued

Other Places.—Con.	Number granted certificate on Principal's recommendation	Number taking Departmental Examination	Number passed Departmental Examination
Janetville		8	8
Jarvis		15	13
Jasper		21	15
Jockvale		6	4
Kapuskasing		7	3
Kars		14	13
Kearney		28	18
Keene		37	24
Keewatin		29	26
Kenmore		11	9
Killaloe Station		36	23
Killarney		4	2
Kilmaurs		11	9
Kimberley		21	11
Kinburn		16	11
King		17	17
King George (York Co.)		66	62
Kinmount		15	11
Kintail		16	11
Kirkfield		44	32
Lakefield		83	51
Lanark		86	60
Lancaster		22	18
Lansdowne		28	17
Laurel		20	18
Lefroy		40	24
Lemonville		28	18
Lion's Head		34	12
Little Britain		24	19
Little Current		18	15
London East		137	111
Loring		15	12
Lucknow		28	22
Macdonald Consolidated, Guelph		43	27
McKellar		15	10
Madawaska		12	6
Magnetawan		22	12
Mallorytown		34	22
Manitowaning		15	10
Manley		12	9
Manotick		22	12
Maple	24	19	12
Marmora		61	28
Marshville		32	19
Marsville		22	12
Massey		29	17
Matheson		9	3
Mattawa		34	15
Maxville		38	25
Medina		13	6
Melbourne		31	20
Merivale		18	11
Merlin		59	42
Merrickville		23	10
Merritton		18	16
Metcalfe		27	15
Mildmay		42	24
Milford		24	15
Millbrook		53	40
Milverton		100	88
Mimico	69	60	29
Minden		26	20
Mindemoya		27	20
Minesing		15	6
Moncklands		11	8
Monteith	2	9	3
Moorefield		35	25
Moose Creek		23	20
Mount Albert		16	15
Mount Brydges		30	23
Mount Elgin		26	12
Mount Hope		26	12
Mount Pleasant		42	30
Mount St. Patrick		39	26
Mountain Grove		13	9
Mountain Station		29	11
Navan		23	16
Neustadt		3	3
Newboro		43	32
New Hamburg		71	40
Newington		16	16
New Liskeard		87	41
North Augusta		24	15
North Gower		19	12
North Lancaster		27	19
Oakwood		17	8
Odessa		37	21
Oil Springs		49	30
Orono		53	38
Oshweken		25	15
Osgoode Station		26	17
Otterville		21	11
Paisley		37	28
Pakenham		20	11
Palmerston		31	24
Pefferlaw		13	10
Pelee Island		14	5
Pickering		24	11
Plattsville		26	23
Plevna		19	7
Port Burwell		9	8
Port Carling		28	23
Port Colborne		65	54
Port Credit		55	43
Port Dalhousie		66	54
Port McNicoll		11	7
Port Stanley		9	9
Powassan		41	29
Priceville		6	4
Princeton		21	14
Queensville		25	10
Rainy River		32	23
Ramsayville		18	10
Randwick		7	6
Ravena		18	10
Richard's Landing		30	18

HIGH SCHOOL ENTRANCE EXAMINATION, 1922—Continued

Other Places.—Con.	Number granted certificates on Principal's recommendation	Number taking Departmental Examination	Number passed Departmental Examination
Richmond		31	21
Ridgeway		39	30
Ripley		30	23
Rockton		38	17
Rockwood		51	34
Rodney		44	35
Rosemont		11	10
Roseneath		14	7
Rosseau		20	9
Russell		32	23
St. David's		14	12
St. George		25	23
St. Helen's		20	14
Sandwich		136	106
Schomberg		39	16
Schreiber		16	7
Scotland		32	26
Secord School (York Co.)		58	55
Selkirk		43	27
Sharbot Lake		38	22
Sioux Lookout		12	9
Singhampton		22	13
Smooth Rock Falls		8	7
Solina		19	17
Southampton		22	16
South Finch		39	31
South Indian		8	5
South Mountain		29	14
South Porcupine		16	14
South River		13	12
Sparta		33	25
Spencerville		44	27
Springfield		19	16
Sprucedale		29	16
Stayner		48	21
Stella		12	8
Stevensville		23	17
Stittsville		15	9
Stony Creek		53	36
Stouffville		31	18
Strabane		27	20
Stratton		6	2
Sturgeon Falls		74	51
Sunderland		33	21
Sundridge		25	12
Sutton		63	36
Swastika		18	14
Tamworth		46	33
Tara		47	33
Tavistock		26	19
Teeswater		55	44
Thamesford		31	17
Thamesville		49	31
Thedford		37	21
Thessalon		54	51
Thornbury		52	31
Thorndale		51	42
Tilbury		46	31
Timmins		72	45
Tiverton		32	20
Toronto, De La Salle Institute		171	67
Tottenham		46	35
Trout Creek		11	9
Uptergrove		41	25
Varna		25	15
Verner		21	9
Vernon		13	9
Verona		40	20
Victoria Harbour		19	18
Vineland		49	35
Walkerville	70	31	13
Warkworth		40	19
Warren		15	9
Warsaw		20	12
Waubaushene		12	10
Webbwood		15	12
Wellandport		23	10
Wellington		32	25
Westboro		98	82
Westfield		5	2
West Lorne		57	35
Westmeath		27	16
Westport		46	29
Wheatley		42	28
Whitevale		12	12
White River		5	1
Wilberforce		19	7
Wilkesport		28	7
Williamsburg		30	23
William Burgess(York Co.)		36	33
Willowdale		42	28
Winchelsea		13	10
Winona		19	14
Wolfe Island		27	13
Woodbridge	19	21	6
Woodville		50	31
Wooler		42	25
Worthington		28	12
Wroxeter		41	35
Wyoming		46	33
Yarmouth Heights		65	41
Zephyr		10	9
Zurich		27	16
Totals	256	11,989	8,144
Collegiate Institutes	7,233	7,743	5,351
High Schools	415	8,478	6,161
Other Places	256	11,989	8,144
Grand Totals, 1922	7,904	28,210	19,656

II. JUNIOR PUBLIC SCHOOL GRADUATION DIPLOMA EXAMINATION, 1922

Centre	Examined	Passed	High School Entrance Allowed
Aurora	3	3	
Beachburg	20	17	
Blenheim	6	5	1
Brigden	13	8	5
Courtright	4	2	1
Creighton Mine	5	5	
Dutton	6	6	
Fairbank	13	13	
Feversham	4	3	
Florence	13	9	
Forester's Falls	9	7	
Goderich	2	1	
Gravenhurst	1	1	
McKellar	8	4	
Magnetawan	6	5	
Napanee	3		
Oil Springs	10	6	
Orillia	4	3	
Ottawa	122	58	4
Owen Sound	2	2	
Parry Sound	2	2	
Penet'guishene	2	2	
Port McNicoll	13	12	
Renfrew	2		2
Rodney	12	9	
Rosseau	4	1	
Sault SteMarie	1	1	
Schomberg	4	1	
Schreiber	24	17	3
Selkirk	12	9	
Stirling	8	7	
Strathroy	1	1	
Sutton	1	1	
Wiarton	2	2	
Wm. Burgess School (York Tp.)	6	6	
Totals, 1922	348	229	16

APPENDIX U

LIST OF CERTIFICATES ISSUED BY THE DEPARTMENT OF EDUCATION, 1922

I. Public School Inspectors' Certificates

Easson, McGregor, B.A. (Queen's)
Snider, Egerton Eber, B.A. (Victoria)
Munro, Peter F., M.A. (Queen's), B.Paed. (Toronto)

II. High School Principals' Certificates

Atkinson, William D. T., B.A. (Classics)
Austin, Prudence M., B.A.
Brown, Duncan, M.A.
Burton, Violet, B.A. (Classics)
Carter, George W., M.A.
Clarry, Arthur R., B.A., B.Sc.
Costin, Carrie L., B.A.
Edge, Mary E., B.A. (Eng. & Hist.)
Erb, William O., B.A. (Math. & Phys.)
Evans, Margaret E., B.A.
Foreman, Kathleen B., B.A.
Hendry, Earl D., B.A.
Henry, Stanley H., M.A. (Math. & Phys. & Science)
Hutchinson, John I., M.A. (Eng. & Hist.)
Ireland, Norval J., B.A.
Kehoe, Martin B., B.A.
King, Reginald H., B.A. (Classics)
Lamont, Alexander D., B.A. (Math.)
MacKillop, Oliver M., B.A.
MacMinn, Marie B., B.A. (Mods. & Hist.)
Maitland, Jessie H., B.A.
McKellar, John, B.A. (Math. & Phys.)
McLellan, Robert F., B.A.
Meade, Robert, M.A.
O'Brian, Mabel B., B.A.
Pacey, Mabel I., B.A.
Payette, Henry J., B.A.
Robb, Charles W., B.A. (Math. & Phys.)
Robb, James A. M., B.A.
Sine, Frederick, M.A., B.Sc. (Science)
Strachan, Donald L., B.A.
Tanton, Francis, B.A.
White, Lloyd J., B.A.
Willson, Harriet B., B.A. (Math.)

III. High School Assistants' and Specialists' Certificates

Adams, John G., B.A. (Agric.)
Allin, C. Stanley, M.A. (Math. & Phys.)
Anderson, Effie E.
Anderson, John A., B.A. (Science)
Archibald, Bertha R., B.A.
Ashdown, Charles R., B.A.
Baillie, Grace S. T., B.A. (Household Science)
Bell, Lily May, M.A. (Art)
Blatchford, Douglas H., B.A.
Boland, Eva G.
Bole, Cecil L., B.A. (Art)
Bowes, Ella D., B.A. (Mods. & Hist.)
Brand, Olive C.
Brandon, Norma P., B.A.
Brookins, Marjorie, B.A. (French & German)
Brown, Marion H., B.A.
Burridge, Arthur A., B.A. (Phys. Cult.)
Burton, Olive W., B.A. (Household Science)
Campbell, Archibald D., B.A. (Phys. Cult.)
Carroll, William I., B.A. (Phys. Cult.)
Chambers, Marjorie A. C.
Chantler, Gladys W., B.A.
Child, Mabel C., B.A.
Chown, Elizabeth, B.A. (French & German)
Clendinnen, Margaret E., B.A.
Cole, Gertrude M., B.A.
Coleman, Kathleen (Sr. M. Cyril), (Art)
Connor, Hannah, B.A. (Sr. M. Carmelita)
Cooley, Robert F. B., B.A. (Math. & Phys.)
Coolican, Elsie T., B.A.
Copeland, George E., M.A. (Agric.)
Cowan, Euphemia J., M.A. (Phys. Cult.)
Cowan, Jessie I., B.A. (Art)
Cowie, Helen, B.A. (Mods. & Hist.)
Crowe, Marie, B.A. (Art)
Cummings, Maude (Sr. M. Angelina)
Cunningham, Elinor I.
Curry, Jessie E. (Phys. Cult.)
Daniels, Percy, B.A.
Dawson, Viola M.
Dean, Mrs. Olive I., B.A.
Dickson, Marion C. (Art)
Donnelly, Mertis M., B.A.
Dugit, Rosalie A., M.A. (Phys. Cult.)
Elliott, Mary M., B.A.
Ettinger, Karl F., B.A.
Farley, Hazel, B.A. (Art)
Fennell, Mary A., B.A.
Foreman, Bessie E., M.A. (Classics)
Foster, Helen E.
Fothergill, Ethel L. (Art)
Fowler, Edith I., B.A. (Classics)
Fraser, Laura G., B.A.
Gibson, Viola M., B.A.
Gillan, Ella E., B.A. (Math.)
Gillan, Kathleen M. (Art)
Gillespie, Mary A., M.A. (Art)
Gillham, Blanche (Art)
Gillham, Estelle M. (Art)
Gillies, Ina M., B.A. (Phys. Cult.)

III. High School Assistants' and Specialists' Certificates (Continued)

Gilroy, (Mrs.) Helen, B.A.
Gould, Ford M., B.A.
Gowan, Bella J.
Graham, Herbert W., B.A. (Phys. Cult.)
Halford, Aileen M., B.A.
Hall, Margaret M. S., B.A. (Art)
Hall, Marjorie S., B.A. (Phys. Cult.)
Hamill, Alice M., B.A. (Household Science)
Hamilton, Grace A. G., B.A. (Phys. Cult.)
Hay, James A. M. (Math. & Phys.)
Hayward, Mary M.
Henry, Mamie E., B.A.
Herington, Bertha C., B.A. (Phys. Cult.)
Hodge, Gertrude A., B.A. (Phys. Cult.)
Holland, Kathleen M., B.A.
Hood, Rita M., B.A.
Hooker, Ida A., B.A. (Mods. & Hist.)
Hopkins, Florence C., B.A. (Sr. M. Constantia), (Art)
Howson, Alexandra A., B.A. (Mods. & Hist.)
Hugill, Mrs. Lyla M., B.A.
Jackson, William A., B.A. (Math. & Phys.)
Jeffrey, Hugh G. S., B.A. (Math. & Phys.)
Jolliffe, Ernest H., B.A. (Science)
Kennedy, Margaret I., B.A. (Phys. Cult.)
Keough, Maggie (Art)
Kerr, Maybelle G., B.A. (Mods. & Hist. & Phys. Cult.)
King, Reginald H., B.A. (Phys. Cult.)
Knowles, John H., B.A. (Math.)
Laing, Maybelle M., B.A. (Mods. & Hist.)
Lee, Elizabeth D.
Leggott, Louie V. (Phys. Cult.)
Linklater, Jessie L.
Little, Evelyn M.
Long, John A., B.A. (Math. & Phys.)
MacDougall, Florence E., B.A. (Art)
MacNaughton, Evelyn I. (Art)
Macphail, Mary C., B.A.
MacQuarrie, George B., B.A. (Classics)
MacTavish, Alice M., B.A.
Magee, Myrtle B.
Marchant, Gladys O.
Massecar, Ethelyn, B.A. (Eng. & Hist.)
Matthews, Frances A., B.A. (Sr. M. Miriam), (Art)
Maus, Adah, B.A. (Household Science)
McArthur, Annie M., B.A. (French & German)
McBride, Sara M. (Art)
McCamus, Marion K., B.A.
McCamus, William R., B.A. (Phys. Cult.)
McCorquodale, Elizabeth E.
McCoy, Margaret H. S., B.A.
McDermid, Ina E., B.A.
McDonald, Kate M., B.A. (Classics)
McDowell, Jennie
McGee, Florence
McGillicuddy, Mary, B.A. (Sr. Mary Madeleine)
McIntosh, Margaret, B.A.
McLaren, Caroline E., B.A. (Science)
McLaughlin, Verna J.
McLellan, Robert F., B.A. (Phys. Cult.)
Mitchell, Janet A. (Phys. Cult.)
Moffat, Hazel J. G., B.A.
Moore, Kathleen, V., B.A. (Art)
Nelson, Dorothy A.
Nethercott, James P. S., M.A.
Norton, Ida (Art)
Oatway, George A., B.A.
O'Meara, Celestine (Sr. Victorine)
O'Toole, Mary E.
Parker, Olive E., B.A.
Pearen, Hartley E., B.A. (Classics)
Pyke, Edgar W., B.A. (Classics)
Quirk, Eric L., B.A. (Phys. Cult. & Math. & Phys.)
Rae, Margaret, B.A. (Mods. & Hist.)
Ramsay, Jean B., B.A. (Com.)
Reynolds, Norman W., B.A.
Ribey, Florence E., M.A. (Classics)
Robb, James A. M., B.A.
Robertson, William A., B.A. (Math. & Phys.)
Robins, John J., B.A.
Ross, Pearl
Runians, Minnie C., B.A. (Phys. Cult.)
Scott, Andrew R., B.A. (Math.)
Scott, Jean L., B.A.
Shortill, Margaret M., B.A. (Hous. Science)
Sillers, Annie M., B.A.
Simmie, Jean
Sirrs, Elmer J. (Phys. Cult.)
Skelton, Minnie M., B.A.
Smith, James C. (Phys. Cult.)
Smith, Kathleen, B.A. (Household Science)
Smyth, Alice C.
Stanley, Lucille H., B.A.
Steele, Walter S., B.A. (Phys. Cult.)
Stevens, Violet E.
Stock, Dora H., M.A. (Mods. & Hist.)
Sutherland, Donald A., B.A.
Tanner, Anne M. (Phys. Cult.)
Tanton, Francis, B.A. (Phys. Cult.)
Teeter, Clarence G., B.A.
Tickell, Lizzie J., B.A. (Mods. & Hist.)
Toll, Charles E. (Phys. Cult.)
Tranter, Hazel M.
Truscott, Edith L., B.A.
Tully, Oral L.
Turville, Ada D., B.A.
Twomey, Mary
Vrooman, Caroline L., M.A. (Math. & Phys.)
Watson, M. Alberta (Phys. Cult.)
Wells, Dorothy (Art)
Whelan, Frances J., B.A.
Whiteman, Margaret
Wilkinson, Mrs. Laura J., B.A. (Phys. Cult.)
Wilson, Nora E. (Phys. Cult.)
Winhold, Edward P. (Phys. Cult.)
Ziehr, Mathilde T., B.A.

IV. Permanent Elementary Certificates

Abbott, Isabella (Household Sc.)
Anderson, Effie E. (Art)
Armstrong, Emily, B.A. (Art)
Armstrong, John A. (Agric.)
Aylsworth, Bessie C. (Phys. Cult.)
Barnes, Eva M. (Agric.)
Bell, M. F. Winifred (Art)
Benn, Agnes M. (Agric.)
Bertrand, Marie A. (Sr. F. Xavier), (Art)
Blackwell, Mary E. (Auxiliary Classes)

IV. Permanent Elementary Certificates (Continued)

Bradley, Idella M. (Agric.)
Bradley, Wesley E. (Agric.)
Brand, Olive C. (Art)
Brookins, Marjorie, B.A. (Phys. Cult.)
Brunkard, Ethel (Art)
Butson, Mrs. Christina K. (Agric.)
Campbell, John J. (Phys. Cult.)
Campbell, Teresa (Sr. M. Augustine), (Household Sc.)
Carpenter, Mabel M. (Art)
Carter, George W., M.A. (Phys. Cult.)
Clarke, Mamie (Agric.)
Conway, Irene E. (Phys. Cult.)
Coolican, Elsie T., B.A. (Phys. Cult.)
Copeland, George E., M.A. (Phys. Cult.)
Courtman, Mary C.(Sr. Margaret), (Agric.)
Cox, George E. (Manual Training)
Cunningham, Hildegarde C. (Agric.)
Darby, Laura W., B.A. (Phys. Cult.)
Davey, Leona L. (Agric.)
Davidson, Georgia, B.A. (Phys. Cult.)
Dertinger, Alice (Sr. M. Anastasia), (Agric.)
Deyell, Margery L. (Agric.)
Donnelly, Mertis M., B.A. (Phys. Cult.)
Dowler, Thomas (Manual Training & Vocal Music)
Duffin, Georgina R. (Agric.)
Dunbar, Jennie (Agric.)
Dundas, Sadie E. (Agric.)
Edwards, Henry W. (Art)
Erwin, Erie H. (Agric.)
Evans, George E., M.A. (Phys. Cult.)
Fallon, Florence (Sr. M. Victorine), (Agric.)
Fennell, Mary A., B.A. (Commercial)
Firth, Alexander (Manual Training)
Fowler, Edith I., B.A. (Phys. Cult.)
Fraser, Laura G., B.A. (Phys. Cult.)
Garbutt, Ruby (Art)
Garrett, Florence (Household Sc.)
Gerhart, Henry W. (Phys. Cult.)
Gibb, Moyna B. (Phys. Cult.)
Gillham, Blanche (Phys. Cult.)
Gosling, Mrs. Bessie (Agric.)
Gothorp, Jean (Agric.)
Greene, (Mrs.) Laura L. (Household Sc.)
Gundry, Helen M., B.A. (Phys. Cult.)
Hammett, Elizabeth L. (Household Sc.)
Hammond, Evelyn F. (Agric.)
Hammor, Elizabeth M. (Agric.)
Hansford, Alice E. (Agric.)
Harper, Gertrude A., B.A. (Phys. Cult.)
Harris, Harold W. (Phys. Cult.)
Hartman, William H. (Agric.)
Hay, James A. M., B.A. (Phys. Cult.)
Heather, Eunice G. (Phys. Cult.)
Helmer, (Mrs.) Blanche (Agric.)
Henderson, Orville J. (Art & Phys. Cult.)
Henry, Mamie E., B.A. (Art)
Hepburn, Cora (Agric.)
Hodgins, Edna M. (Agric.)
Hogg, Elizabeth I. (Agric.)
Hood, Rita M., B.A. (Art & Phys. Cult.)
Huff, Lavine (Agric.)
Hugill, Mrs. Lyla M., B.A. (Phys. Cult.)
Ireton, Mary E. (Agric.)
Jeffrey, Hugh G. S., B.A. (Phys. Cult.)
Jenkins, (Mrs.) Mary, M.A. (Art)
Johns, Addison F. (Agric.)
Kehler, Louise (Agric.)
Kennedy, Florence C. (Agric.)
King, Annie A. (Art & Phys. Cult.)
Laidlaw, Constance I. (Household Sc.)
Lee, Elizabeth D. (Phys. Cult.)
Long, John A., B.A. (Phys. Cult.)
MacCuaig, Elizabeth M. (Agric.)
Macdonald, May (Sr. Margaret Mary), (Agric.)
MacKillop, Oliver M., B.A. (Phys. Cult.)
MacTavish, Alice M., B.A. (Phys. Cult.)
Marchant, Gladys O. (Art)
Marcellus, J. Ernest, B.A. (Phys. Cult.)
Marwick, (Mrs.) Allie (Art)
Marwick, Bruce D. (Phys. Cult.)
McArthur, Annie M., B.A. (Phys. Cult.)
McBride, Sara M. (Phys. Cult.)
McCann, Dorothy (Phys. Cult.)
McCorquodale, Elizabeth E. (Phys. Cult.)
McDermid, Ina E., B.A. (Art)
McGuire, Mary M. (Sr. St. Edith), (Agric.)
McIntyre, Margaret I. (Agric.)
McLachlan, Archie T. (Manual Training)
McLaren, Caroline E., B.A. (Phys. Cult.)
McLean, Helen G., B.A. (Phys. Cult.)
McLeod, Hattie B. (Art)
McKone, Susanna E. (Agric.)
McMullen, Louise M. (Household Sc.)
McRae, Pearl V. (Agric.)
McWilliams, Walter A., B.A. (Phys. Cult.)
Moran, Annie (Sr. M. Winifreda), (Agric.)
Muckle, Leata W. (Phys. Cult.)
Nelson, Dorothy A. (Phys. Cult.)
Nokes, Eva R. (Phys. Cult.)
Norton, E. Ida (Phys. Cult.)
Oatway, George A., B.A. (Phys. Cult.)
O'Connor, Claire M. (Sr. M. Adrian,)(Agric.)
O'Reilly, Mary F. A. (Agric.)
O'Toole, Mary E. (Art)
Ottewell, Frances G. (Agric.)
Perry, Neva M. (Phys. Cult.)
Phelan, Margaret M. (Agric.)
Pomeroy, John B. (Agric.)
Queenan, Sadie (Agric.)
Rae, Sarah J. (Agric.)
Robb, James A. M., B.A. (Phys. Cult.)
Robertson, Ethel V. (Agric.)
Robins, John J., B.A. (Phys. Cult.)
Ross, Ralph, B.A., B.Paed., (Phys. Cult.)
Rutledge, Evelyn M. (Commercial)
Schmidt, Nelda (Agric.)
Schooley, Fred. T. (Phys. Cult.)
Scobie, Susie E. (Agric.)
Seabrook, Mary V. (Agric.)
Siegner, Gertrude (Agric.)
Skakel, Myrtle R. (Agric.)
Smith, Duncan D. (Agric.)
Snell, Blanche E. (Art)
Stanley, Lucille H., B.A. (Phys. Cult.)
Stapleton, Louis J. (Phys. Cult.)
Stevens, Violet E. (Art)
Stewart, Winona, B.A. (Phys. Cult.)
Sullivan, Annie C. (Agric.)
Sutherland, Donald A., B.A. (Phys. Cult.)
Tranter, Hazel M. (Phys. Cult.)
Tripp, Edith (Art)
Troy, Maude (Sr. M. St. Peter), (Agric.)
Truscott, Edith L., B.A. (Phys. Cult.)
Tully, Oral L. (Art)
Turville, Ada D., B.A. (Phys. Cult.)
Twomey, Mary (Art)
Ulrich, Mary A. (Agric.)

IV. Permanent Elementary Certificates (Continued)

Vrooman, Caroline L., M.A. (Phys. Cult.)
Walsh, Mary A. (Sr. M. Edith), (Agric.)
Waterman, Isobel M. (Art)
Whelan, Frances J., B.A. (Phys. Cult.)
White, Lloyd J., B.A. (Phys. Cult.)
Williams, Luella K. (Agric.)
Winhold, Erna (Agric.)
Ziehr, Mathilde T., B.A. (Phys. Cult.)

V. Permanent Supervisors' and Intermediate Certificates

Barron, Belle B. (Art)
Buchanan, Mary E. (Art.)
Burns, Teresa (Art)
Crich, Wilfred V. (Phys. Cult.)
Dowler, Thomas (Art)
Game, John M. (Phys. Cult.)
Laborde, Lucy E. (Art)
Lemon, Ada F. (Music)
McDermott, Edward C. (Phys. Cult.)
McGill, Margaret H. (Art)
McGillis, Annie L. (Sr. St. Agatha), (Art)
Rutherford, Myrtle M. (Art)
Short, John A. (Agric.)
Smith, Joseph H. (Phys. Cult.)
Stonehouse, Edith (Phys. Cult.)
Thomas, Edward H. (Art)

VI. Permanent First Class Certificates

Acton, Mrs. Leta D.
Alles, Edith I.
Arnold, Lillian B.
Bailie, John A.
Balfour, Mary A.
Barclay, Jean A.
Barnes, Herbert G.
Barr, John A.
Beamer, Ilma P.
Beatty, Stanley A.
Bell, Clarence B.
Bell, Erma L.
Bell, Ruby J.
Bennett, Mary A.
Bennie, Margaret D.
Billings, Edward J.
Bingle, Thomas.
Black, Harold C.
Bowman, Mary E. R.
Brethour, Eldon J.
Brodie, Amy A.
Brokenshire, Rheta E.
Brown, Harry W.
Bunner, Vivian H.
Burke, Margaret A. (Sr. M. Clotilde)
Burke, Teresa A.
Camp, Annie V.
Campbell, Goldie T.
Campbell, Helen B.
Cantelon, Harriett.
Chard, Thomas.
Clarke, Olive J.
Clement, Isabel.
Code, James A.
Collier, William B.
Collins, Mary E.
Corlett, Hazel I.
Coumans, Melinda M.
Cousins, Gladys M.
Craig, Marguerite M.
Craig, Muriel M.
Craven, Margaret.
Crich, Wilfred V.
Crone, Marguerite J.
Crosby, Marion E. B.
Cross, Dora E., B.A.
Currie, Jessie.
DeHart, Nora A.
Dietrich, Rufina J. (Sr. M. Josepha)
Douglas, Dorothy C.
Down, Edna M.
Dundas, Robert A.
Dunn, Annie L. (Sr. M. Leo)
Echlin, Gladys M.
Edmonds, Ruth L. M.
Edmunds, Mary M.
Ellerby, Marion I.
Elliott, Gladys S.
Elliott, Wilton H.
Embury, Nina K.
Farr, Percy W.
Fiddes, Gordon H.
Fletcher, Bertha M.
Fortune, Agnes E. (Sr. M. Fidelis)
Foster, Rene N.
Foulds, Gordon A.
Fox, Hilda L.
Fraser, Gordon K.
Fraser, Nancy H.
Fritz, Wesley E.
Game, John M.
Gardiner, Euphemia A.
Gibb, Moyna B.
Gibson, Mary M.
Graham, Meta I.
Gray, M. A. Verlie.
Green, Georgina M.
Haiste, Edna G.
Halliday, Anna D.
Hamm, Winnifred.
Hanna, Edna.
Hart, Morley C.
Hayes, Mary G.
Hetherington, Verna L.
Hodd, Edith M.
Holmes, Mabel I.
Holmes, Myrtle O.
Houser, Florence M.
Howard, Frances.
Hunter, Albert C.
Hunter, Annie F.
Jackson, Nellie M.
Jarvis, Beatrice E.
Johnston, Jessie V.
Johnston, Marion J.
Jones, Mrs. Ruth N.
Jourdan, Harriet E.
Kaufman, Alvin J.
Keith, Leslie M.
Kelk, Gladys G.
Kemp, Elenor.
Kendrick, William K. S.
Kennedy, Florence I.
Kerfoot, Richard R.
Kilty, Harold R.
Klemner, Edward H.
Knight, Norma E.
Knox, Mary E.
Lehane, Mary T.
Lewis, Gordon.
Long, Marshall W.
Lundy, Doris A.
MacCallum, Neil W.
MacKay, Mildred M.
MacKenzie, Pearl C.
Manning, Charles E.
Martin, Catherine (Sr. M. Martinella)
Martin, Thomas H. W.
Martyn, Harry L.
McBroom, Jessie B.
McCulloch, Lila B.
McDermott, Edward C.
McFadden, Della.
McGahey, Mabel R.
McKeever, Mabel E.
McLean, William A.
McMannus, Celestine E.
McNaughton, Oliver J.
McWilliams, Mary M.
Menzies, Leslie P., B.A.
Merritt, Roland L.
Miller, Sadie G.
Mitchell, Elizabeth M. S.
Mitchell, Jessie A.
Moffat, Peter B.
Moncrieff, Margaret R.
Moore, Gladys M.
Muckle, Leata W.
Murray, Florence.
Nash, Roland P.
Neven, Marie C.
Nichol, Robert M. W.
Nicol, Gladys.
Noble, Almeda B.
Nodwell, William E.
Norris, Donald A.
Nutting, Rowena E.
O'Connell, Mary A.

VI. Permanent First Class Certificates (Continued)

O'Donohue, Mary A.
Overend, Mary C.
Parker, Harold T.
Parson, Dorothy F. M.
Perkin, Irvine B.
Perry, Neva M.
Pinder, Grace M.
Pothier, Mrs. Kathryn A.
Powell, Arthur E.
Prosser, Thornton.
Purdy, Frank.
Rawson, Clarke M.
Robinson, Marion A.
Root, Milton.
Sager, Elmer.
Samuel, William A.
Schneider, Thekla (Sr. M. Cajetan)
Scott, Alice E.
Scott, Elizabeth V.
Secord, Rachel A.
Setterington, Nora V.
Shaver, Bessie J.
Sloman, Frederick G.
Sloman, Wilbert G.
Smith, Leslie A.
Squire, Earle V.
Start, Isabel S.
Steele, Ethyl M.
Stevenson, Muriel G.
Stewart, Cameron A.
Stewart, Richard A. W.
Strong, Harriet E.
Stuebing, Anna M.
Torrance, Thomas M.
Trott, Beatrice.
Trowse, Mable I.
Virgin, Albert R.
Walker, Evelyn E.
Walker, Minnie R.
Wallen, Wilfred B.
Walling, William Lloyd.
Warnica, Catherine E.
Wasman, Leslie J.
Waters, Clara J. I. M.
Watson, Stanley A.
White, Orville R.
Willmot, M. Constance V.
Woolcott, Arthur O.
Woolcott, Earl S.
Woolner, Mary I.
Worsell, Reta M.
Wright, Richard J.
York, Eva M.
Youdale, William P.

VII. Permanent Second Class Certificates

Adams, Alice I.
Adams, Wilma Z.
Agar, Dorothy E. F.
Agnew, Mary J.
Aikenhead, Gertrude D.
Aikens, Bertha.
Aiton, Flora M.
Allan, Jessie M.
Allan, Mary Edith.
Allan, Vera.
Allen, Kathleen M. (Sr. Mary Philip).
Allen, Lavina P.
Allen, Marjorie A.
Alton, Alice.
Alton, Sara A.
Amey, Alice M.
Amos, Amy R.
Anderson, Annie K.
Anderson, Erma L.
Anderson, Jean M.
Andrew, Mary E.
Andrew, Robert.
Anguish, Mrs. Sadie A.
Angus, Verna L.
Annett, Margaret J.
Apperley, Gordon S.
Archer, Frances A.
Ard, Elizabeth L.
Arnold, C. Eleanor (Sr. M. Raphael).
Arnott, Jessie B.
Ashdown, Elizabeth I.
Asselin, Teresa A. (Sr. M. Medard).
Atkinson, Myrtle I.
Atmore, Florence S.
Austin, Robert A.
Awrey, Olive M.
Baigent, Mary.
Baillargeon, Victoria L.
Baird, Margaret A.
Baird, Margaret G.
Baker, Mary H.
Balcanquel, Cecilia A.
Ball, Emma A. B.
Ball, Pearl.
Ball, Winnifred M.
Banks, Osborne H.
Barclay, Bruce.
Barclay, Gladys.
Barclay, Jack M.
Barnard, William T.
Barned, Mrs. Mary R.
Barnes, Earl T.
Barnum, Myrtle B.
Barrie, Mary C.
Barry, Mary A.
Bartlett, Isabelle M.
Barton, Douglas D.
Bateman, Florence M.
Bates, Elsie A.
Bauman, Ada.
Bayne, Margaret G.
Beaumont, Beatrice M.
Beley, Lucy M.
Belfield, Frances O.
Bell, Charles A.
Bell, Gertrude M.
Bell, Jessie E.
Bell, Mary.
Bell, Mary D.
Benner, Viola E.
Bennett, Alice K.
Bennett, Fannie G.
Berrey, Edna G.
Bertran, Aleene M.
Bessey, Mildred C.
Betts, Elsie M.
Biggings, Hilda E.
Birrell, Christina.
Bissette, Philomene M.
Blackburn, Jean E.
Blair, Allan B.
Blandford, Beatrice R.
Blanshard, Jennie V.
Bodkin, Hazel U. B.
Bolingbroke, Herbert.
Bonney, Hilda F.
Boon, Thomas C.
Bouck, Iva L.
Bouck, Mabel H.
Bourke, Beatrice G.
Boyce, Dorothy E.
Bradden, Mary (Sr. M. Patricia).
Bradford, Alice E.
Bradley, Florence M.
Bradley, Gertrude E.
Bradley, Hannah M.
Braithwaite, Clifton B.
Brandon, Harold E.
Branton, Fern E. C.
Brett, Mamie E.
Brock, Olive V.
Brooks, Olive F.
Brotherton, Victor T.
Brown, Alice M.
Brown, Kathryn M.
Brown, Margaret E.
Brown, Retta M.
Brownson, Annie M.
Bruce, Lillian G.
Brueckner, Emma E.
Bryan, Wilbert L.
Buckwell, Edna E. M.
Budge, Edna G.
Bulger, Frances M.
Bulger, Viola.
Bunt, Lillian J. C.
Burchill, Ina W.
Burgess, Elizabeth A.
Burnet, Helen L.
Burns, Teresa.
Burrill, Marion G.
Butler, Eva E. M.
Buttrum, Alice E.
Byers, Agnes C.
Cadwell, Sadie M.
Calder, Elizabeth I.
Caldwell, Emily C.
Campbell, Duncan.
Campbell, Elda M.
Campbell, Ella L. D.
Campbell, Isabelle C.
Campbell, Jessie L.
Campbell, Lila I.
Campbell, Margaret.
Campbell, Mary C.
Campbell, Mary E.
Campbell, Victoria E.
Cannon, Cecil F.
Capel, Rosie.
Cardy, Martha J.

VII. Permanent Second Class Certificates (Continued)

Carey, Mary B.
Carnegie, Mary E.
Carothers, Richard E.
Carrington, Flossie V.
Carruthers, Blanche.
Carson, Elizabeth M.
Carter, Eva R.
Carter, Hattie I.
Carter, Irene (Sr. M. Lenore)
Carter, Mary B.
Casson, Vera E.
Caswell, Elsie A.
Cathcart, Lillian M.
Chalmers, Vera L.
Chambers, Mrs. Grace I.
Channen, Eleanor V.
Chaplin, Thomas W.
Charlton, Pearl M.
Childerhose, Georgina H.
Chisholm, Lucy (Sr. M. Precious Blood).
Church, Jean W.
Churchill, Ruth U.
Chute, Helen F.
Clapton, Edna M.
Clark, Bertha M.
Clark, James V.
Clark, Jessie I.
Clarke, Reginald D.
Clarke, Mary A.
Clement, Glyde E.
Clements, Dorothy P.
Cochrane, Harriet E.
Coke, Maude A.
Coleman, Elizabeth (Sr. M. Urban).
Coles, Olivia E. M.
Colhoun, Oliver M.
Collings, Gladys E.
Colvin, Rebecca M.
Connor, Annie A.
Connor, Marion B.
Cook, Annie.
Cook, Mamie B. V.
Cooley, Dora M. A.
Cooney, Almer J. (Brother Damian).
Cooper, John P.
Cooper, Kathleen A.
Copeland, Marjorie B.
Cords, Harriet.
Cork, Helen F.
Cornell, Doris.
Cornish, Wava L.
Corrigan, Mary E.
Cosgrove, Clara A.
Costello, Annie H.
Costello, Marjorie A.
Cotton, Greta A.
Coulter, Nellie E. R.
Coulthart, Jennie M.
Coulthart, Neva A.
Cowan, Gwendolyn G.
Cox, Clara I.
Craig, Lorna C.
Cranston, John J.
Craven, Viola B.
Crich, Myrtle H.
Crosthwaite, Hazel E.
Cruickshank, Isabel M.
Cudmore, Berenice V.
Culham, Desta L.
Culp, Marguerite P.
Culver, Helen V.
Cummings Annie W.
Currah, Louie M.
Curry, Olive B. (Sr. M. Rosalie)
Curtin, Agnes C.
Daley, Lillian M.
Daly, Gretta M.
Davey, Gwynndoline B.
Davies, J. Bryn.
Davis, Elizabeth (Sr. M. Consilio).
Davis, Franklin W.
Davy, Warren P.
Daymond, Mary L.
Dean, Ruth V.
DeFoe, Aileen (Sr. Philip Neri).
DeGuerre, Margaret B.
Deem, Florence.
Delmege, Constance M.
Denison, Verna A.
Dennison, Dorothy.
Derbyshire, Reita M.
Deshaw, Mary E.
Devereaux, Agnes M.
Dewar, Margaret C. M.
Dick, Martha T.
Dickerson, Kathleen M.
Dickson, Aldona.
Dickson, Pearl E.
Ditchburn, Edith S.
Dodds, Elspeth A.
Donaldson, Edna M.
Donaldson, Gladys E.
Dowling, Genevieve
Down, Gladys A.
Doyle, Helen L.
Doyle, Ross E.
Draffin, Bertha E.
Duckworth, Edith S.
Dudley, Laura L.
Duffy, Muriel A.
Dunbar, Etta D.
Dunn Edith F.
Dunn, Katherine A. (Sr. M. Margaretta).
Dunn, Marjorie A.
Dunston, Alice R.
Durnford, Louise V.
Dyer, Grace J.
Dyke, Ernest V.
Earl, Edward L.
Earley, Lillian A.
Eastwood, Bessie E. M.
Eckel, Laura M.
Edgerton, Edith M.
Edmondson, Hazel M
Eesley, Elva V.
Ego, Gordon P.
Elford, Mrs. Lillian I.
Elliott, Jessie S.
Elliott, Mary G.
Elliott, Myrtle L.
Elliott, Sadie E.
Elliott, Vera J.
Ellis, Bertha M.
Ellis, Eva.
Ellwood, Evelyn E.
Empey, Hattie A.
Empringham, Ethel A.
England, Margaret D.
Esplen, Luella M.
Evans, James K.
Everett, Irene.
Everingham, Augusta L.
Everingham, Ernest E.
Fair, Doris L.
Fairburne, Edna.
Farrell, Jennie.
Farrell, Mary M.
Farrelly, Mabel E.
Featherston, Ethel.
Fee, Florence A.
Fell, Elsa I.
Fenn, Beatrice.
Fenn, Josephine (Sr. M. St. Rose).
Ferguson, Bessie J.
Ferguson, Charles J.
Ferguson, Evelyn A.
Ferguson, Marjorie A.
Field, Lillian G.
Finlay, Lelia J.
Finlayson, Gladys L.
Finlayson, Liella.
Finlayson, Mary E.
Flett, Agnes A.
Foley, Ella A.
Fontaine, Juliette (Sr. M. Albina).
Forman, Ralph S.
Francis, Jessie B.
Fraser, Edna M.
Fraser, Hazel E.
Fraser, Jennie.
Friel, Ella J.
Frisken, Carmelita S.
Fritz, Hilda L.
Frost, Mrs. Myrtle J.
Fuller, Ruth E.
Gaiser, Addileene M.
Galbraith, Mrs. Helen F.
Gale, Edythe G.
Gallagher, Mary (Sr. M. Ursula).
Gallagher, Mary L. E.
Gallagher, Olive E. J.
Gallivan, Kathleen.
Galvin, Clara.
Gamble, Winnifred E.
Gannon, Maria V.
Gardner, Mable E.
Gardner, Mary E.
Garrah, Helen C.
Garrison, Alice M.
Gattie, Margaret L.
Gay, John S.
Gay, Pearl I.
Gearin, Kathleen.
Geary, Cleva M.
Geen, Jessie M. E.
Gemmell, Jessie E.
Gendron, Irene (Sr. St. Gervaise).
Gerry, Zelma M.
Gibbons, Margaret.

VII. Permanent Second Class Certificates (Continued)

Gibson, Mary H.
Giffen, Mary M.
Gilbank, Percy E.
Gilchrist, Mary J.
Gillies, Ettie.
Gilliland, Meda E.
Gilmore, Marjorie E.
Gilmour, Hilda A.
Giroux, Yvonne I.
Glavin, Madeleine.
Glenn, Rose A.
Golden, Elba N.
Gollan, Nancy A.
Gomoll, Bertha A.
Goodall, Mayme.
Gordon, Eva.
Gordon, Rhena V.
Gormley, Bernadette A.
Goudge, Beatrice V.
Gracey, James F.
Graham, Christopher J.
Graham, Eunice E.
Graham, Grace B.
Graham, Hugh G.
Graham, Muriel M.
Graham, Pearl V.
Grant, Jean A.
Gray, Berta.
Gray, Gladys P. E.
Greaves, Alice M.
Greene, Madeline I.
Grimes, Gertrude N.
Growden, Marguerite J.
Guerin, Mary H.
Guiler, Vera.
Guscott, Reta M.
Hagerman, Bessie A.
Haggerty, Nettie E.
Haines, Muriel D.
Hair, Marguerita E.
Haist, Millicent V.
Haldenby, Wilbert H.
Haley, Christena M.
Hamilton, Fanny E.
Hammill, Winifred G.
Hammond, Mable G.
Hammond, Stella G. G.
Hancock, Harold C.
Hand, Mary C.
Hanke, Talitha A.
Hanlon, Anna M.
Harbison, Alberta.
Harding, Wilma R.
Hardy, Albert E.
Hargreaves, Mildred A.
Harrison, Mary E.
Hartwick, Violet E.
Hastie, Margaret R.
Hays, Jean R.
Healey, Hazel J.
Heitzner, Mary K.
Hemwood, Nancy D.
Henderson, Gertrude H.
Henry, Hazel A. E.
Herr, Charles T.
Heslop, Dorothy G.
Hewitt, Gladys C.
Hewitt, Wallace F.
Higginson, Thedora E.
Hill, Mary R.
Hillman, Marjorie K.
Hipwell, Glenna M.
Hird, Mrs. Madilla R.
Hislop, Janet M.
Hobbs, Alma E.
Hobbs, Mabel J.
Hodgins, Annie E.
Hodgins, Stanley E.
Holliday, Mary A.
Hollman, Florence O.
Hord, Kathleen A.
Horkins, Beatrice B.
Hoskins, Mrs. Edna V.
Houlahan, Anna E.
How, Ethel L. M.
Howarth, Almeda E.
Hudson, Mareta I.
Hull, Margaret V.
Humphrey, Arthur T.
Hunchberger, Geraldine A.
Hunter, Clare.
Hunter, Fred.
Hunter, Ida M.
Huntsman, Myra.
Hurley, Bessie A.
Hurley, Eleanor H.
Huston, George C.
Hyatt, Nellie E.
Hynes, Lily H.
Ireland, Mabel L.
Ireton, Annie E.
Irvine, Olive L.
Isard, Olive G.
Jacklin, Aaron W.
Jackman, Marion R.
Jackson, Alberta M.
Jackson, Vera A.
Jackson, Verlie K.
Jago, Edythe M.
James, Laura V.
James, Stella.
Jamieson, Luella M.
Jenkins, Dorothy E.
Johnson, Lottie G.
Johnson, Lulu M.
Johnston, Jessie R.
Johnston, Nellie C.
Jones, Dorothy A.
Jones, Mrs. Florence A.
Jones, Flossie V.
Jordan, Kathleen.
Joyce, Clifford V.
Juby, Maud B.
Jull, Ella P.
Junkin, Blanche.
Junkin, Daisy E.
Junkin, Marjorie.
Kaercher, Gertrude E.
Kay, Kathryn E.
Kearney, Lucy M.
Keeley, Margaret (Sr. M. Madeleine).
Keillor, James S.
Keith, Annie C.
Keith, Jean S.
Kelly, Elizabeth C.
Kelly, Mary B.
Kelly, Mary C.
Kelly, Rhoda (Sr. M. Matthew).
Kelly, Rosary.
Kennedy, Edna L. C.
Kennedy, Evelyn O.
Kennedy, Julia M.
Kenney, Mary M.
Kenniger, Jack J.
Kerr, Ruby E.
Kerr, Susie E.
Ketcheson, Marjorie W.
Keyes, Ruskin G.
King, Ethel I.
Kirwin, Hazel P.
Klein, Lottie G.
Knight, Lela S. E.
Knight, Philip.
Laidlaw, Ina V.
Lally, Gladys M.
LaMarsh, Kathleen D.
Lang, Edith P.
Langford, Zilpha M.
Langman, Lillian R.
Lapsley, Grace E.
Larkin, Joyce M.
Lavery, Mary I.
Law, Florence J.
Lawson, Kathleen A.
Lawson, Mrs. Vera M.
Leary, Evelyn J.
Lee, Melva P.
Leitmeier, Mabel I.
Lemay, Millie.
Lennan, Hazel M.
Lennox, Eva M.
Levere, Laura O.
Lewis, Edith E.
Lewis, Gertrude N.
Lewis, Ida B.
Lewis, Viola A.
Lincke, Hedwig M.
Lindsay, Annie A.
Lindsay, Jean O.
Little, Florence B. C.
Livingston, Kathleen M.
Locke, Amy L.
Lockie, Bessie S.
Logan, Margaret I.
Loney, Kathleen.
Longeway, Teresa E. M.
Loucks, Hugh H.
Lougheed, Evelyn M.
Lovell, William L.
Lowe, Merriam M.
Lowe, Ruth M.
Lucas, Myrtle E.
Lundy, Kathleen A.
Lynch, Cecilia.
Lynch, Mary L.
Macdonald, Janet C.
MacDonald, Margaret.
MacDonald, Marjorie R.
MacDonald, Mary C.
Macdonald, Mary C.
Macdonell, Mary D.
Macfarlane, Jean M.
MacFarlane, John.
MacGillivray, Alma C.
MacGregor, Muriel I.
MacGregor, Myrtle V.
Mackay, Agnes.
Mackenzie, Isabel M.

VII. Permanent Second Class Certificates (Continued)

MacKenzie, Katherine F.
Mackie, Edith.
MacKinnon, Flora A.
MacLaren, Annie Laurie.
MacLean, Williamina T.
MacLennan, Margaret J.
MacLeod, Christena.
MacMillan, Effie J. W.
MacMillan, Marie.
Macmillan, Victoria R.
MacRae, Anna C.
MacVicar, Tena E.
Madill, Kenneth S.
Main, Margaret J.
Main, Ola M.
Maley, Lyla E.
Mallett, Florence W.
Maltby, Adelaide H.
Manning, Laura W.
Manson, Gordon A.
Mapledoram, Verna F. B.
Marcellus, Florence M.
Marquis, Florentena A.
Marr, Vera E.
Marshall, Lillian P.
Martin, Angus.
Martin, Marion.
Martin, Mary A. (Sr. M. Josephine).
Masecar, Florence M.
Matthews, Laurabelle M.
Matthews, Lorne H.
Matthews, Rosa I.
Maxwell, Jean I.
May, Lottie.
Maybee, Lena J.
McAlister, Bernice I. J.
McArthur, Hugh F.
McAuley, Rebecca D.
McAuliffe, John.
McBean, Catherine.
McBrady, M. Josephine.
McBride, Cora E.
McCabe, Gertrude (Sr. M. Kathleen).
McCabe, Janet C.
McCabe, Thomas J.
McCallum, Barbara.
McCann, Catherine (Sr. M. St. James).
McCann, Mary V. (Sr. M. Chrysostom).
McCarthy, Lavena.
McCleary, Violet M. J.
McClellan, Lillian.
McClure, Mabel R.
McColl, Beatrice.
McCollum, Mabel V.
McConnell, Kathleen B.
McCrea, Minnie.
McCullough, Ethel.
McDonald, Caroline E.
McDonald, Clarence J.
McDonald, Emma I.
McDonald, Flora.
McDonald, Gladys A.
McDonald, Margaret M.
McDonald, Norman A.
McEachern, Donalda.
McElhone, Lucille M.
McFarlane, Dora B.
McFarlen, Helen R.
McGaw, Dorothy M.
McGown, Gladys A.
McGrath, Florence.
McGregor, Jean R.
McGuire, Bridget C.
McHaney, Mildred M.
McIntosh, Grace E.
McIntosh, Leone D.
McIntyre, Josephine.
McIver, Murdoch.
McKague, Nellie M.
McKay, Agnes M.
McKay, Elva M.
McKay, Florence E.
McKay, Gladys E.
McKay, Margaret A.
McKay, Margaret M.
McKay, Marguerite A.
McKechnie, Janet A.
McKee, Eleanor E.
McKee, Evelyn J.
McKellar, Mary.
McKenzie, Margaret J.
McKeown, Mary H.
McKever, Margaret R. L.
McKibbon, Hope.
McKim, Helen E.
McKnight, Bertha.
McLachlan, Jean.
McLaren, Janet E.
McLarty, Maggie.
McLaughlin, Barbara I.
McLean, Anne E.
McLean, John A.
McLeish, Jean E.
McLeish, John A.
McLellan, Bessie V.
McLeod, Hattie B.
McLeod, Jean.
McLeod, Viola V.
McMillan, Jessie M.
McMorran, Madeleine.
McMullen, Hazel M.
McNamara, Agnes M.
McNamara, Annie C.
McNaughton, Mary C.
McNaughton, Mary M.
McNeilly, Annie E.
McNevan, May B.
McPherson, Margaret I.
McPherson, Mary V.
McQuillin, Clara W.
McRae, Mary A.
McRobert, Eva L.
McShane, William J.
McTear, Frances H.
McTeigue, Clothilde J.
Meagher, Marie G.
Meeker, Blanche C.
Meldrum, Elma L.
Menzies, Margaret C.
Michener, Elizabeth N.
Mick, Evelyn J. U.
Miller, Arline.
Miller, Irene.
Mills, Mrs. Marion M.
Miner, Ethel D.
Misener, Marjorie B.
Misener, Myrtle E.
Mitchell, Audrey I.
Mitchell, Gladys E.
Moher, Eleanor M.
Monsinger, Merle D.
Montgomery, Laura M.
Moon, Alice I. C.
Mooney, Dora M.
Moore, Alice I.
Moore, Edna B.
Moore, Florence E.
Moore, Jennie.
Moore, Minnie I.
Moore, Orpha C.
Moran, Margaret A.
Morgan, Gladys J.
Morris, Gordon F.
Moss, Reva I.
Mossey, Leila M.
Mulvihill, Margaret.
Muma, Margaret K.
Munro, Alma.
Munro, Elizabeth P.
Munro, Isobel H.
Munro, Katharane.
Murchison, Murdoch.
Murphy, Mrs. Mary E.
Murphy, William H.
Murray, Florence A.
Murray, Janet C.
Murray, Marion A.
Murtha, Teresa V.
Nash, Hazel L.
Neal, Hazel M.
Neilson, Ella J.
Nesbitt, Annie A.
Nichol, Gwendolyne M.
Nichol, Martha I.
Nicholls, Gladis C.
Nicholson, Muriel S.
Nixon, Clifford J.
Nixon, Kathleen E.
Nixon, Mary G.
Nodwell, Gladys.
Nodwell, John W.
Nokes, Eva R.
Norris, Velma M.
Noonan, Anne F.
Nyros, Ruth S.
O'Connor, Elizabeth M.
O'Hara, Kathleen G.
O'Neil, Stella M.
Orchard, William F.
O'Reilly, Irene (Sr. M. Dominica).
O'Reilly, Mary F. A.
Orr, Thomas E.
Oswald, Fannie.
Owen, Helen M.
Owens, Edith V.
Owens, Thelma A.
Pace, Stella I.
Parent, Marie (Sr. M. Calvary).
Parker, Lucy C.
Parnell, Leda S.
Parr, Mona M.
Parslaw, Elda A.
Passmore, Lola M.

VII. Permanent Second Class Certificates (Continued)

Patterson, Helen M.
Patterson, Raymond A.
Paul, Gladys C.
Payne, Bertha P.
Pearen, Wilbur N.
Perkins, Gladys V.
Perrie, Dorothy B.
Perry, Amy M.
Perry, Grace L.
Perry, Muriel A.
Phillips, Nina.
Phipps, Marguerite L.
Pierson, Leuta J.
Pittman, Marion S.
Player, Winnifred A.
Pogson, Leila M.
Porterfield, Margaret M.
Postle, Rowena E.
Powell, Johanna (Sr. Mary Norbert).
Powell, Pauline L. J.
Pratt, Mrs. Annie G.
Preston, Dorothea P.
Preston, Hertha C.
Price, Emma V.
Pyne, Lucy E.
Quinlan, Theresa.
Quirt, Ethel M.
Rae, Mary G.
Raftis, Anna M.
Railton, Faith V.
Railton, Nina M. T.
Ralph, Mary L.
Ramer, Mabel B.
Ramsay, Gladys E.
Rankin, Irene M.
Ranton, Annie M.
Redmond, Olive E.
Reid, Myra M. M.
Reid, Pearl.
Reilly, Mary L.
Rellis, Zita.
Rentner, Edna M.
Reynolds, Mary E. M.
Rice, Christine E.
Rice, Jessie L.
Richardson, Gertrude P.
Riddell, Bessie A.
Rivington, Frances S. E.
Robb, Olive C.
Roberton, Belle M.
Robertson, Beatrice O.
Robins, Mabel B.
Robinson, Bessie V.
Robinson, Clara E.
Robinson, Edithe F.
Robinson, Gertrude T.
Robinson, James
Robson, Ivy M.
Robbard, Ernest J.
Rogers, E. Bell.
Rogers, Shirley H.
Rogers, Thomasina
Root, Margaret.
Ross, Ellen A.
Ross, Etta L.
Ross, Georgina.
Ross, Grace G.
Ross, Helen M.
Ross, Lillian M.
Ross, Mary E.
Rouse, Basil E.
Rouse, Ida.
Rouse, Labelle E.
Rowe, Robert J.
Rowland, Thomas W.
Royce, Laura M.
Rudolph, Beulah J.
Rushbrook, Gladys N.
Russell, Mabel V.
Rutherford, Edith L.
Rutherford, Margaret W.
Rutherford, Maud E.
Ruthven, Beulah A.
Rutledge, Emily M.
Sadler, Katharine I.
Sandiland, Marjorie.
Saunders, Vera E.
Sayer, Ethel L.
Scarlett, Marion T.
Schatz, Elgin L.
Schneller, Edna A.
Scilly, Winnifred.
Scollard, Bernice R.
Scott, Mrs. Alice M.
Scott, Annie I.
Scott, Bessie J.
Scott, May M.
Scratch, Rosie.
Seim, Milton.
Seltzer, Jacob A.
Sergeant, Sara A.
Sharp, Florence M.
Sharp, Margaret A.
Sharpe, Emma.
Sharpe, Ida M.
Shaughnessy, Irene C.
Shaver, Blanche V.
Shaver, Edith J.
Shaver, Stanley M.
Shaw, Cora L.
Shaw, Maggie W.
Shea, Annie L. (Sr. M. Eleanor)
Sheard, Margaret.
Shepherd, Edith M.
Sheppard, Viola M.
Shewfelt, Gordon A.
Shirley, Georgie M.
Sifton, Atta Wrighta
Simons, Mrs. Isabella A.
Sinclair, Edith A.
Sisler, Emma M.
Skinner, Etta V.
Slaght, B. Elizabeth
Smith, Alexandria M.
Smith, Edward H.
Smith, Mrs. Ida A.
Smith, Joseph H.
Smith, Vera M.
Smith, Winnie I.
Smeath, Frederick S.
Snider, Elizabeth M.
Somerville, Mildred I.
Sonley, Pearle M.
Sparrow, Janet H.
Speirs, Agnes M.
Spencer, Alma B.
Sprague, Hazel M.
Squire, Florence S. M.
Stacey, Emma M.
Stacey, Ethel G.
Stanley, Lucretia M.
Stark, Keitha M.
Stark, Roberta E.
Staunton, Florence E. E.
Steels, Irene L.
Stephenson, Mrs. Myrtle L.
Stevens, Catherine E.
Stewart, Alice E.
Stewart, Catherine W.
Stewart, Thomas M.
Stewart, Violet.
Stiles, Florence H.
Stock, Monica (Sr. M. Estelle)
Stockfish, Kathleen M.
Stone, Archena Etta
Stothers, Jessie A.
Strachan, Marie.
Strange, Mary V.
Stricker, Winnifred M.
Stroeder, Teresa A. (Sr. M. Ernesta)
Straud, Mildred H. (Sr. M. Constance)
Styles, Hugh J.
Sullivan, Agnes M.
Sullivan, Hazel A.
Sweetnam, Aileen J.
Tanner, Wallace R.
Tarr, Mary O.
Taylor, Eliza F.
Taylor, Mary A.
Telford, Alice.
Templeman, Gladys L.
Terry, Olive G.
Thomas, Muriel S.
Tompkins, Isabelle R.
Thompson, Hazel E.
Thompson, Isabel L.
Thompson, Lois E. M.
Thompson, Rhoda L. G.
Thompson, Ruth
Thompson, Walter E.
Thompson, William C. G.
Thompson, William E.
Thumb, Dellmarion B.
Tilson, Dorothy E.
Todd, Erie I.
Tolton, Alice A.
Topliffe, Gladys M.
Towe, Ida B.
Townsend, Agnes V.
Trist, Emily A.
Trotter, Wilhelmine H.
Trusler, John W.
Turner, Evelyn J.
Turner, Olive E.
Turvey, Zelma M.
Tyndale, Sarah F.
Unger, Henry C.
Upper, Sadie I.
Vanderwater, Edna H.
Vaughan, Mary A. F.
Veale, Maude G.
Viccars, Elsie.
Vickers, Elizabeth.
Vickery, Charlotte G.
Waddell, Isabella M. S.

VII. Permanent Second Class Certificates (Continued)

Waldron, William E.
Wales, Mary E.
Walker, Flora A.
Walker, Laura M.
Walker, Norma R.
Wallace, Luella K.
Wallace, Muriel C.
Wallington, Hazel A.
Walsh, Cecilia.
Walsh, Julia J.
Walton, Irene M.
Walton, Mary O.
Wardrope, Dorothy.
Watters, Hilda M.
Watters, Ruby A.
Weatherhead, Ida A.
Weatherston, Margaret M.
Webb, Mary E.
Weber, Clasben E.
Webster, Kathleen M.
Wedden, Norma.
Weir, Inez M.
Weld, Marjorie.
Wells, Blanche M.
Wert, Helen M.
West, Helen M.
West, Laura M.
Weston, Dorothy P.
Whalen, Carmel T.
Wheatley, Eva B.
White, Elva E.
White, Hazel D.
White, Maimie E.
Whitehead, Weston J.
Whiteman, Louise M.
Whitmell. Myrtle.
Wice, Verna I.
Wilkie, Andrew T.
Willars, Dorothy H. M.
Williams, Edith M.
Williams, Ethel G.
Williams, Ruby.
Willson, Evelyn R. S.
Wilkinson, Evelyn G.
Wilkinson, Mary.
Wilson, Lela M.
Wilson, Minnie E. E.
Winhold, Laura A.
Winter, Leah M.
Winter, Lillian M.
Wither, Mary R.
Woods, Margaret
Woods, Mrs. Maude.
Woods, Nesbitt.
Wraight, Ellen R.
Wray, Effie G.
Wright, Edith.
Wright, Isabella G.
Wright, Jean H. R.
Wright, Jennie M.
Wright, Margaret M.
Wright, Muriel C.
Yeadell, Olive V.
Yeo, Helena M.
Youen, Edna M.
Young, Basil O.
Young, Ethel B.
Young, Gertrude I.
Young, Hazel E.
Young, Irene B.
Young, Janet A.
Young, Violet.
Yourex, Rhoda A.
Zettel, Genevieve.

VIII. Permanent Kindergarten-Primary Certificates

Baessler, Susan (Sr. M. Brigida)
Beacom, Cela.
Blair, Mabel B.
Bole, Mary E. M.
Broughton, Mabelle P.
Bryans, Agnes E.
Chamberlain, Mary A. V.
Finlayson, Mamie E.
Glover, Geraldine R.
Gott, Irene F.
Groves, Marjorie A.
Jackson, Vera M.
Kendrick, Helen.
Lyon, Maude.
MacArthur, Catharine E.
MacBeath, Margaret J.
Marlow, Olive S. R.
McCaffery, Clare M.
McCordic, Ethel M.
McDonald, Amy C.
McMullen, Muriel T.
Miller, Edith M.
Muter, Marie E.
Olver, Louise V.
Ovens, Lilian E.
Patton, Blossom.
Pritchard, Mildred E.
Robb, Gladys E.
Ross, Doris E.
Rudd, Lena M.
Scott, Alice M.
Stewart, Hazel M.
Tucker, Olive H.
Wade, Ruth A.
Watson, Annie P.
Windsor, Nellie M.

IX. Kindergarten Directors' Certificates

Barrett, Frances L.
Bender, Lorene V.
Clow, Marion L.
Cranston, Agnes M.
Ferguson, Annie E.
Fleming, Frances.
Flynn, Loretto.
Fotheringham, Mary E.
Grainger, Elsie M.
Hay, Florence J.
Hyndman, Jean.
Irwin, Margaret L.
Ketcheson, Elizabeth V.
Knapton, Rosalind.
Laur, Vivian E.
Moore, Laura A.
Robb, Marion A.
Rutledge, Alberta H.
Smith, Elsie M.
Snyder, Viola.
Tucker, Nora M.
Vose, Edna B.
Wells, Janet M.
White, Jessie E.

X. Manual Training Certificates

Permanent Ordinary

Currie, William F.
Gillespie, Raymond M.
Hetherington, Joseph.
Paton, William D.
Robertson, J. Ernest.

Permanent Specialist

Carpenter, Theodore T.
Degroat, Charles M.

XI. Household Science Certificates

Permanent Ordinary

Abernethy, Velma M.
Alexander, Harriet A.
Beddie, Beatrice.
Curry, Edna W.
Hay, Mabel E.
Hayward, Mary M.
Hilton, Constance E.
Hutchison, Mary.
Lehman, Velma V.
McEwen, Mary G.
McLean, Mrs. Mary E. E.
Olds, Bertha F.
Robb, Mary.
Thomas, Eveline.
Troy, Gertrude (Sr. M. Leona)
Trynor, Mrs. Pearl.

XII. Professional Certificates

	No. of Candidates	Extramural Students	High School Permanent Certificates	High School Interim Certificates	Permanent Provincial First Class Certificates	Interim First Class Certificates	Permanent Second Class Certificates	Interim Second Class Certificates	Limited Third Class Certificates valid for five years	District Certificates valid for one or two years	Extended District Certificates (Academic Course)	Total number of Certificates
College of Education...	153	31	......	157	......	30	....	....	......	......	......	187
Normal Schools.......	1455	155	......	....	......	153	....	1248	118	......	......	1519
Autumn Model Schools.	65	27	......	....	......	....	....	....	90	......	......	90
English-French Model Schools............	80	10	......	....	......	....	....	....	87	2	......	89
Summer Model Schools.	517	....	......	....	......	....	....	....	*190	124	178	492
Interim Certificates made permanent.....	....	....	209	....	202	....	1030	....	......	......	......	1441
Total number of newly certificated teachers..	....	....	......	157	......	183	....	1248	485	126	......	2199

*These previously held District Certificates.

HOUSEHOLD SCIENCE

Number of Interim Ordinary Certificates	12
Number of Interim Specialist Certificates	12
Number of Permanent Ordinary Certificates	17
Number of Permanent Specialist Certificates	6

MANUAL TRAINING

Number of Interim Ordinary Certificates	1
Number of Interim Specialist Certificates	6
Number of Permanent Ordinary Certificates	6
Number of Permanent Specialist Certificates	2

KINDERGARTEN CERTIFICATES

Number of Interim Kindergarten-Primary Certificates	30
Number of Permanent Kindergarten-Primary Certificates	39
Number of Kindergarten Directors' Certificates	25

ART AND PHYSICAL CULTURE CERTIFICATES (COLLEGE OF EDUCATION)

Number of Interim Elementary Physical Culture Certificates	72
Number of Interim Elementary Art Certificates	24

SUMMER SCHOOL CERTIFICATES

Elementary Agriculture and Horticulture (Interim)	270
Intermediate Agriculture and Horticulture (Interim)	32
Intermediate Agriculture and Horticulture (Permanent)	1
Elementary Art (Interim)	142
Supervisors of Art (Interim)	46
Specialists in Art (Interim)	14
Auxiliary Classes (Interim)	57
Elementary Commercial Subjects (Interim)	5
Specialists in Commercial Subjects (Interim)	1
Elementary Household Science (Interim)	62
Kindergarten-Primary (Interim)	123
Elementary Vocal Music (Interim)	106
Supervisors of Vocal Music (Interim)	17
Elementary Physical Culture (Interim)	244
Supervisors of Physical Culture (Interim)	85
Specialists in Physical Culture (Interim)	85
Elementary Manual Training (Interim)	16

NOTE.—In addition to the above, twenty-eight Interim Certificates in Elementary Physical Culture, fifteen Certificates in Agriculture and Horticulture, two Certificates in Sewing and one in Vocal Music were granted, on pro tanto standing.

XIII. Temporary Certificates issued in 1922

Inspectorates	Number during 1st half year	Number during 2nd half year
Bruce E.	2	..
Carleton E.	2	..
Carleton W. and Lanark E.	4	2
Dundas	1	..
Elgin, E.	1	..
Essex, S.	1	..
Frontenac N., and Addington	13	21
Frontenac S.	3	10
Glengarry	1	2
Grey E.	3	1
Grey S.	1	..
Halton and Wentworth, in part	1	..
Hamilton	..	2
Hastings C.	1	1
Hastings N.	7	4
Hastings S.	1	..
Lambton No. 1	1	..
Lanark W.	6	2
Leeds and Grenville, No. 1	2	..
Leeds and Grenville, No. 2	1	..
Leeds and Grenville, No. 3	..	2
Lennox	7	2
Lincoln	2	..
Norfolk	2	..
Ontario N.	1	..
Oxford S.	1	1
Peterborough E.	10	8
Peterborough W., and Victoria E.	2	..
Prescott and Russell	15	22
Prince Edward	1	..
Renfrew N.	3	..
Renfrew S.	..	1
Simcoe E.	1	..
Simcoe N.	3	3
Simcoe S.	3	..
Victoria W.	2	..
Waterloo, No. 2	..	1
Welland S.	1	..
Wellington S.	1	1
York No. 3	1	..
District Divisions:		
No. I	3	6
No. II	8	2
No. III	2	3
No. IV	3	7
No. V	1	1
No. VI	4	1
No. VII	9	6
No. VIII	7	6
No. IX	5	2
No. X	1	3
No. XI	7	1
No. XII	9	12
No. XIII	22	..
English - French Divisions:		
No. IA	1	..
No. IIA	11	..
No. IB	3	2
No. IIB	27	6
R. C. Separate School Divisions:		
No. I	1	3
No. IV	4	21
No. V	13	47
No. VI	1	1
No. VII	13	58
No. VIII	1	1
Totals	264	275

APPENDIX V

ORDERS-IN-COUNCIL

Miss Mary Dalrymple appointed Assistant Matron at the Northern Academy, Monteith. Approved 25th January, 1922.

Miss Ellen K. Ballard appointed Librarian, North Bay Normal School. Approved 3rd February.

Circular No. 50, "Departmental Examinations, June, 1922." Approved 23rd February.

Amended Regulations for the distribution of Legislative Grants to High Schools and Collegiate Institutes. Approved 23rd February.

Amended Regulations affecting the qualifications of Inspectors in the Northern Districts. Approved 28th February.

Neil McDougall, B.A., appointed General Inspector of Public Schools. Approved 1st March.

Charles Maddock appointed Labourer at the Toronto Normal School, to take effect from 1st November, 1921. Approved 3rd March.

Circular No. 71, in reference to schedule of fees and allowances in connection with the examinations. Approved 17th March.

Circular No. 57, "Junior High School Entrance Examination, 1922." Approved 27th March.

Circular No. 87, "Junior Public School Graduation Diploma Examination, 1922." Approved 28th March.

Instructions No. 5, "Annual Departmental and Matriculation Examinations, 1922." Approved 11th April.

Circular, "Part Time Courses to be established in accordance with the provisions of The Adolescent School Attendance Act." Approved 24th April.

Regulation in reference to the holding of nominations and elections pursuant to Section 20 (g) of the Consolidated Schools Act. Approved 28th April.

Instructions Nos. 12 and 13 in reference to the apportionment of Legislative Grants to the Public and Separate Schools in the Counties and in the Districts respectively. Approved 28th April.

Circular dated 17th February, 1922, affecting Continuation Schools. Approved 1st May.

Circular No. 35, "General Announcement of Summer Courses, 1922." Approved 5th May.

Regulations for the admission of teachers to the course leading to certificates as Specialists in Agriculture. Approved 25th May.

Circular No. 13, 1919, amended so as to allow grants to schools in the Districts and the poorer parts of certain Counties with Third Class teachers on the same basis as schools with Second Class teachers. Approved 29th May.

Regulations in reference to a Consolidated School Board entering into an agreement with an adjacent School Section for incorporation into the Consolidated School. Approved 8th June.

Wm. H. Williams appointed Watchman at The School for the Blind. Approved 8th June.

"Regulations and Courses for the Summer Model Schools, 1922," and "Special List of Schools in accordance with the provisions of Regulations 1 (1) (b) and 1 (4) of Circular No. 30½." Approved 28th June.

Miss Maude Schaffner appointed Matron and Dietitian at the Northern Academy, Monteith. Approved 29th June.

"Text Book Regulations for Public, Separate, Continuation and High Schools and Collegiate Institutes." Approved 29th June.

"Regulations, Courses of Study and Examinations of the Normal Schools of Ontario for First Class Certificates, Session 1922-23." Approved 29th June.

"Regulations, Courses of Study and Examinations of the Normal Schools for Second Class and Kindergarten-Primary Certificates, 1922-23." Approved 29th June.

Courses of the University of Toronto for the Ontario College of Education as contained in the calendar, 1922-23. Approved 4th July.

Consolidated School Regulations amended. Approved 4th July.

Lyman B. Jackes appointed as a Special Lecturer in the Department of Visual Instruction, Department of Education. Approved 4th July.

Miss Estella M. Gillham and Miss Lois G. Black appointed Teachers at the Northern Academy, Monteith. Approved 6th July.

Miss Clara Bernice Blakely appointed Teacher at the School for the Deaf. Approved 13th July.

Misses Verne J. Smith, Clara M. Russell, Tillie E. White and Susie M. Carroll appointed Teachers at the School for the Deaf. Approved 13th July.

General Regulations for Teachers' Institutes as contained in the Amendments to the Regulations in Circular No. 34 of 1918, amended by adding thereto Section 3½, making provision for an additional Teachers' Institute of one-day's session for English-French teachers. Approved 13th July.

Miss Elizabeth R. Cringan appointed Assistant Kindergarten Teacher, Toronto Normal Model School. Approved 18th July.

Regulations and Courses for the English-French Model Schools, 1922-23. Approved 18th July.

Peter P. Harrison appointed Fireman at the Toronto Normal School. Approved 19th July.

Regulations, Courses of Study and Examinations of the Autumn Model Schools, 1922. Approved 20th July.

Dr. S. J. Keyes appointed Principal of the Ottawa Normal School. Approved 25th July.

W. Prendergast, B.A., B.Paed., appointed Principal of the London Normal School. Approved 25th July.

Miss Katherine Bawden appointed Clerk-Stenographer at the School for the Deaf. Approved 8th August.

The following persons appointed as Teachers at the School for the Deaf: Misses Bertha Sunter, Viola Handley, Beatrice Rierdon, Harriet Stirk, Lena Carroll, Ethel Nurse, Hilda Dutton, V. Gladys Bradley, Emily Haugh, Nina Brown, Erma Panter, Fanny Curry; Messrs. Edward Lally and Karl Van Allen. Approved 8th August.

Circular No. 58, "Regulations regarding the Literature in connection with the Examinations." Approved 18th August.

Lewis A. Marlin, M.A., appointed Inspector of Public Schools in the Districts. Approved 18th August.

Adam McLeod appointed Assistant Master at the Toronto Normal School. Approved 18th August.

Miss Margaret Clifford appointed Teacher at the Ottawa Normal School. Approved 22nd August.

Miss Kate McCubbin appointed Librarian and Secretary at the North Bay Normal School. Approved 24th August.

Miss Dorothy Thompson, B.A., appointed Professional Librarian in the Department of Education. Approved 29th August.

John B. Gatenby appointed as Instructor in Music at North Bay Normal School. Approved 31st August.

Miss Marjorie G. Frost appointed Teacher at the School for the Deaf. Approved 5th September.

Miss Mary A. Coffey appointed Teacher at the School for the Deaf. Approved 5th September.

John H. Davidson appointed Mathematical Master at the Hamilton Normal School. Approved 5th Sept.

Miss Mary F. Uren appointed in a part-time capacity as Instructor of Physical Culture at the Toronto Normal Model School. Approved 8th September.

Arthur Archibald appointed Teacher of Agriculture and General Subjects at the Northern Academy, Monteith. Approved 7th September.

Lemen Robert Halnan appointed Master at the Stratford Normal School. Approved 12th September,

George R. Smith, appointed Master at the Ottawa Normal School. Approved 12th September.

Ernest H. Price appointed in a part-time capacity as Instructor in Physical Training at the Toronto Normal School. Approved 15th September.

"Courses of Study and Examinations of the High Schools, Collegiate Institutes and Continuation Schools, 1922." Approved 3rd October.

Wm. James O'Brien appointed Master at the London Normal School. Approved 11th October.

Agreement with The Macmillan Company of Canada, Limited, respecting the right to print, publish and supply "The Ontario High School History of England," for use in the schools of Ontario. Approved 12th October.

Agreement with The Ryerson Press, Limited, Toronto, respecting the right to print, publish and supply "The Ontario High School History of Canada," for use in the schools of Ontario. Approved 12th October.

Miss Grace I. Carruthers appointed Secretary at the Hamilton Normal School. Approved 18th October.

Regulations governing the distributions of Grants to Public and Separate Schools as embodied in Instructions 12, modified to authorize the payment to the Accountant of the Supreme Court of Ontario, pending a decision as to the proper method of distribution, the surplus grants to Separate Schools not absorbed by the above-mentioned Regulations. Approved 19th October.

Miss L. Helen De Laporte appointed Assistant to the Inspector of Auxiliary Classes. Approved 25th October.

Miss Helen Denison appointed Senior Clerk-Stenographer, Department of Education. Approved 25th October.

Circular No. 110, "Announcement re Carter Scholarships." Approved 31st October.

Harry Pollock appointed Fireman at the School for the Blind. Approved 31st October.

Clarence E. Mark appointed Master at the Toronto Normal School. Approved 7th November.

Circular No. 39, "The Courses in History, Geography, Grammar and Arithmetic for the Junior High School Entrance Examination, Revised 1922." Approved 7th November.

Henry M. Leppard appointed Headmaster, Ottawa Normal Model School. Approved 16th November.

Examination Circular No. 144, in reference to the Carter Scholarships. Approved 16th November.

Joseph Racine appointed Caretaker and Fireman at the English-French Training School, Sturgeon Falls. Approved 16th November.

Angus McKenzie appointed Farm Hand, School for the Deaf. Approved 29th November.

Circular No. 33, re Public School Courses of Study and Examination Requirements in Form V. Approved 29th November.

Elwood Oakes, appointed Teacher, Ottawa Normal Model School. Approved 12th December.

Wm. Jas. Neale appointed Headmaster, Ottawa Normal Model School. Approved 18th December.

Miss Grace Morgan appointed Teacher, North Bay Normal School. Approved 28th December.

APPENDIX W

MODEL SCHOOLS

I. Autumn Model Schools, 1922

School	Principal	Attendance			Extra-mural	Limited Third Class Certificates
		Total	Male	Female		
Cornwall	G. R. Theobald	18	0	18	2	20
Kingston	W. F. Inman	21	0	21	11	32
Orillia	C. L. T. McKenzie	11	4	7	9	20
Renfrew	W. T. Baker	15	1	14	5	18
Totals		65	5	60	27	90

II. Summer Model Schools, 1922

School	Principal	Attendance			Extra-mural	Limited Third Class Certificates	District Certificates for One Year
		Male	Female	Total			
Bracebridge	E. E. Ingall	21	125	146	1	28	113
Gore Bay	C. D. Bouck	11	61	72	....	17	53
Madoc	W. T. Baker	8	52	60	....	....	60
Ottawa	C. H. Edwards	1	39	40	....	17	17
Port Arthur	J. H. W. McRoberts	4	35	39	1	9	31
Sharbot Lake	W. F. Inman	4	87	91	5	48	48
Sturgeon Falls	J. M. Kaine	3	53	56	....	8	38
Vankleek Hill	John Hartley	0	13	13	....	4	8
Totals		52	465	517	7	131	368

APPENDIX Y

ONTARIO SCHOOL FOR THE BLIND

ANNUAL REPORT OF THE SUPERINTENDENT

To The Honourable R. H. Grant, M.P.P.,
Minister of Education for Ontario.

Sir,—I have the honour to transmit herewith the fifty-first Annual Report of the Ontario School for the Blind, Brantford, for the year ended 31st October, 1922.

I have the honour to be,
Sir,
Your obedient servant,
W. B. Race,
Superintendent.

Brantford, December, 1922.

The Attendance

In presenting the fifty-first Annual Report of the Ontario School for the Blind, I beg to report the average attendance for the session which ended June, 1922, as 130, and an increase in the total registration for the school session commencing September 27th, 1922, from 119 to 141. The registration of pupils for the twelve months of the official year from October 31st, 1921, to October 31st, 1922, was 155, just nine more than in the preceding year.

Of the fourteen pupils who did not return at the school opening in September, five had completed their courses, four were considered to have good enough vision to enable them to resume their education in a public school, two remained out to take special treatment for their eyes, one entered the school for the blind recently opened in Vancouver, one died, and the other was kept at home on account of ill-health.

Of the thirty-seven pupils entering for the first time the average age is about eleven years, which can be explained partly from the fact that in several instances the defective eyesight was not pronounced enough at an earlier age, having been caused by accident or being of a progressive nature, or from the natural reluctance of parents to let their children leave home until their lack of education makes them show to a disadvantage when compared with seeing children of the same age.

The Staff

We have been very fortunate this year in that no changes in the staff were found necessary. The frequent changing of teachers in a school for the blind is a much more serious matter than in schools for the seeing, as it is impossible to secure teachers who are experienced in the special work of teaching the blind. The importance of retaining our experienced teachers cannot be stressed too much. The work of teaching is the more complicated at the present time owing to the necessity of using the two systems of dot reading during the transition period from New York Point to the Revised Braille, which has been adopted as the standard system. A change in the teaching staff would have the effect of retarding the progress of the classes until the new teachers became more or less conversant with the two systems.

Teachers in a school for the blind must have special qualifications in addition to the academic ones insisted on by the Department of Education. They must be tactful, sympathetic, patient and adaptable to an unusual degree. The sensitive natures of blind children make them shrink from evidences of harshness and respond readily to kindness, as revealed in gentleness of speech, a sympathetic tone of voice, and a general forbearance with the physical embarrassment of their pupils.

New Pupils at the Opening of the School, September 27th, 1922

Name	Address
Anderson, Arthur	Bawlf, Alta.
Chimiliar, Paul	Myrnam, Alta.
Cochrane, Ballantyne	Winnipeg, Man.
Cox, George	Spirit River, Man.
Fairlie, Ruth	South End, Ont.
Fine, Sarah	Toronto, Ont.
Gallagher, Hubert	Winnipeg, Man.
Geer, Floyd	Islay, Sask.
Ghan, Sherman	Winnipeg, Man.
Harris, Hilliard (re-admitted)	Winnipeg, Man.
Jefferson, Robert	St. Catharines, Ont.
Kuzyk, John	Pine River, Man.
Lauer, John	Regina, Sask.

Name	Address
Loewen, Johann	Winkler, Man.
McDonald, Elizabeth	Moffat, Ont.
Matthews, Frona	Delisle, Sask.
Meier, Margaret	Davidson, Sask.
Offord, William	Midland, Ont.
Orbell, Lawrence	Prince Albert, Sask.
Picket, Cornelius	Hodgeville, Sask.
Purvis, Winnifred	Portage la Prairie, Man.
Semple, Ruth	Weyburn, Sask.
Sinclair, Edna	Belleville, Ont.
Sorenson, Walter	Edmonton, Alta.
Vance, Earl R.	St. Mary's, Ont.
Wolfe, Roy E.	Port Whitby, Ont.

Pupils Registered in Session, 1921-22

Name	Address
Barnstable, David	Brantford, Ont.
Barrett, Wilson	Sunderland, Ont.
Baxter, Harold	Wetaskiwin, Alta.
Beecham, Leslie	Toronto, Ont.
Bellew, Clarence	Winter, Sask.
Bettridge, Edward	Brampton, Ont.
Bielek, Waldemar	Cochrane, Ont.
Braden, Milton	Calabogie, Ont.
Campbell, Charles	Toronto, Ont.
Carlson, Arthur	Victoria Harbour, Ont.
Carscallen, Archie	Tamworth, Ont.
Clarke, Allan	Toronto, Ont.
Conway, Ernest	Kirkland Lake, Ont.
Craig, Leslie	Wellwood, Man.
Duffett, Jas.	Haileybury, Ont.
Duggan, Basil	Toronto, Ont.
Edmondson, Stanley	Calgary, Alta.
Elmes, Alfred	Toronto, Ont.
Evans, Stanley	Calgary, Alta.
Ferens, Andrew	Winnipeg, Man.
French, Clayton	Anglia, Sask.
Gallo, Domenico	Toronto, Ont.
Gemmell, Alex	Simpson, Sask.
Gilby, Norman	Bracebridge, Ont.
Gliddon, John	Toronto, Ont.
Greene, Edward	Dunnville, Ont.

Name	Address
Grausdin, John	Lettonia, Man.
Griffin, James	Glandford Stat'n, Ont.
Hackett, John	Hamilton, Ont.
Harris, Robert	Leslie, Sask.
Hartfield, Adolf	Lang, Sask.
Hill, Archie	North Bay, Ont.
Hill, Norman	St. Thomas, Ont.
Inglis, David	Tilney, Sask.
Jarrold, George	Beaverlodge, Alta.
Jeffrey, Gordon	Beachburg, Ont.
Kellar, Nicolay	Hyas, Sask.
Konopski, Albin	Valley River, Man.
Leftley, Frank	Toronto, Ont.
Lott, Ernest	Wingham, Ont.
Lyon, Ross	Kingston, Ont.
McCormick, George	Toronto, Ont.
McDonald, James	Clover Bar, Alta.
McLaren, Fred	Merrickville, Ont.
McLennan, John	Toronto, Ont.
McSherry, Henry	London, Ont.
Macbeth, Stanley	Toronto, Ont.
Martin, Joseph	Winnipeg, Man.
Miscampbell, Lester	Angus, Ont.
Mollard, Robert	Stonewall, Man.
Montgomery, Horace	Kingston, Ont.
More, Angus	Seaforth, Ont.

Pupils Registered in Session 1921-22 (Continued)

Name	Address
Morrison, Alex	Calgary, Alta.
Morrow, Alvin	Pilot Mound, Ont.
Mulholland, Thomas	Toronto, Ont.
Nason, Irvine	Port Arthur, Ont.
Niece, Robert	Lowbanks, Ont.
O'Brien, Philip	Cobourg, Ont.
O'Brien, William	Peterboro', Ont.
Pachkowski, Mike	Stonewall, Man.
Parfitt, Allan	Toronto, Ont.
Patrick, George	London, Ont.
Pease, Gordon	Moose Jaw, Sask.
Petrie, Aloysius	Hamilton, Ont.
Philpott, Ernest	Brockville, Ont.
Philpott, Fred	Brockville, Ont.
Philpott, John	Brockville, Ont.
Powell, James	Toronto, Ont.
Richards, Laurie	Winnipeg, Man.
Scherger, Christian	Leader, Sask.
Shaw, Thomas	Vancouver, B.C.
Stoddart, Ernest	Copper Cliff, Ont.
Sydor, Mike	Winnipeg, Man.
Troughton, Robert	Arthur, Ont.
Tuttle, Russell	Toronto, Ont.
Vallery, Sandy	Munson, Alta.
Warren, George	Prince Albert, Ont.
White, William	Thorold, Ont.
Young, Kenneth	Binbrook, Ont.

Bews, Anna	Bridgeburg, Ont.
Bickerton, Gladys	Navan, Ont.
Bissett, Margaret	Windsor, Ont.
Brown, Grace	London, Ont.
Carpenter, Marjorie	Bridstow, Alta.
Casey, Muriel	Ottawa, Ont.
Clark, Jessie	North Bay, Ont.
Clark, Lillian	Toronto, Ont.
Crawford, Gwendolyn	Toronto, Ont.
Crawley, Daisy	Toronto, Ont.
Dalton, Mary	Hamilton, Ont.
Dawson, Christina	Toronto, Ont.
DeCarlonis, Aida	Peterboro', Ont.
Dell, Pearl	Edmonton, Alta.
Duciaume, Francina	Rockland, Ont.
Dupuis, Agnes	Brantford, Ont.
Edwards, Mary	Toronto, Ont.
Folis, Rose	Winnipeg, Man.
Fox, Marjorie	Georgetown, Ont.
Fuson, Dora	Swan River, Man.
Gascoigne, Marjorie	Hamilton, Ont.
Grey, Muriel	Winnipeg, Man.
Gill, Grace	Toronto, Ont.
Grills, Iva	Cane, Ont.
Hughes, Norma	Brantford, Ont.
Hutson, Amy	Moose Jaw, Sask.
Iverson, Selma	Preeceville, Sask.
Joyce, Patricia	Edmonton, Alta.
Krauser, Rose	Winnipeg, Man.
Mellick, Verna	Rapid City, Man.
Mishnishcodare, Eliz.	Manitowaning, Ont.
Philpott, Emily	Brockville, Ont.
Reddick, Jessie	Toronto, Ont.
Regimbal, May	Norwood Grove, Man.
Richea, Phyllis	London, Ont.
Sadeski, Mary	Souris, Man.
Sells, Kathryn	London, Ont.
Simpson, Meryle	Dominion City, Man.
Smith, Audrey	Collins Bay, Ont.
Smith, Bernice	Sarnia, Ont.
Smith, Effie	Brantford, Ont.
Stevens, Myrtle	Regina, Sask.
Taylor, Mabel	Edmonton, Alta.
Tennyson, Evelyn	Port Perry, Ont.
Vickers, Alice	Gamebridge, Ont.
Waswanipi, Mary	Cochrane, Ont.
Welsh, Verna	Baldur, Man.
Wood, Bernice	Princeton, Ont.
Wood, Doris	Peterboro', Ont.
Zeller, Lydia	Melville, Sask.

Presentation of Chiming Clock

To commemorate the fiftieth anniversary of the founding of the school in May, 1872, a number of ex-pupils presented a beautiful chiming clock, which was received by the Superintendent on behalf of the Minister of Education at the June concert. The clock is of beautiful design and has three distinct chimes, Whittington, Westminster and St. Michael. It stands in a conspicuous place in the main hallway of the school and beside it is a bronze tablet on which are inscribed the words, "Presented to the Ontario School for the Blind, June, 1922, by former pupils, in commemoration of half a century of service to the blind." A framed scroll contains the names of the ex-pupils who contributed to the purchase of the clock, and it speaks well for the splendid spirit of devotion, loyalty, and gratitude to the school with which so many happy memories are associated.

Mr. S. C. Swift, M.A., in making the presentation on behalf of the ex-pupils, referred in a happy vein to the jubilee occasion, indulged in reminiscences of his own life at the school, and touched upon the symbolism of the chimes in an eloquent address.

There were present at the presentation a large number of ex-pupils, some of whom were presented to the audience. They were greeted with enthusiastic applause in recognition of their services in behalf of the blind, and of their loyalty and attachment to the school. Among these were, S. C. Swift, M.A., Librarian for the Blind, Toronto; Mr. Sandford Leppard, President of the Alumni Association; Mr. F. W. Johnson, Past President; Miss Elizabeth Nesbit, Walkerton, 1st Vice-President; Mr. Herbert Treneer, 2nd Vice-President; Mr. W. B. Donkin, Secretary-Treasurer, and Mr. Ira Knapp, of Windsor.

Changes in the Dormitories

Owing to the increased attendance it was found necessary to make provision for an extra bed in each room in the boys' dormitory, with additional cupboard and clothes closet accommodation. Three pupils have hitherto occupied each bedroom, each room containing three closets and a cupboard with three large and three small drawers. The additional space for the extra pupil has been provided by a partition of one of the clothes closets in each room, with a drawer built at the bottom. This does not affect the general appearance of the room and meets the difficulty in the best possible manner.

Improvement in Grounds

The cutting out of many trees has added to the appearance of the grounds in the immediate vicinity of the main buildings. The front has been laid out in attractive beds of flowers and foliage, the unsightly flag pole removed, and a curb built separating the plots from the roadway. A great improvement has been effected, too, on the farm, as the willows have been removed altogether, the stumps of old trees pulled out, and the ground used for a useful purpose. New fences have done much to improve the appearance of the farm for a comparatively small expenditure.

Privileges Enjoyed Outside the School

The pupils of the school feel grateful to the citizens of Brantford for the many evidences of their kindly interest in their welfare. Different musical organizations have from time to time, at considerable inconvenience to themselves, come to the school and put on programmes for the pupils. The Rotary Club provided a happy afternoon taking them all for a motor ride, a treat which they greatly appreciate and rarely enjoy. The University Extension Work carried on in the city has provided an opportunity for some of the older boys, who can thus enlarge their lives by taking the lectures given weekly throughout the winter. Occasionally an address is delivered in our own Assembly Hall, and the reception given by the pupils never fails to impress the visitors who come to speak to them.

Manual Training Department

The work in the Manual Training Department always attracts the attention of visitors to the school. The many articles of furniture, both in simple and more elaborate design, make an appeal to the eye. The piano lamps, writing desks, rockers, flower stands, newspaper racks, medicine chests, workbaskets and hall seats, all bear testimony to the value of the special training given in this department, which is under the management of a teacher who is himself totally blind.

One of the boys received first prize this year at the Toronto Exhibition for a dinner wagon made by him at the school. A visit from Jack Miner to the school resulted in the building of a beautiful bird house with twenty chambers, which the boys erected in a prominent place, not too far from the main building.

Successful Students

It is a pleasure to be able to report the success of two of our students. Miss Kathryn Sells, of London, was successful in obtaining her A.T.C.M. at the University of Toronto examinations in June. She with several other of our talented graduates have been meeting with much success in a series of concerts which they have been giving throughout Western Ontario.

Mr. Albert Lott, of Brussels, succeeded in obtaining his Bachelor of Arts degree at Queen's University, in April, and expects to enter upon his career in the Methodist ministry.

Death of One of the Pupils

It rarely happens that a death occurs among the pupils during the school term, and I regret to have to record the death of George Warren, of Port Perry, who succumbed after a comparatively short illness in the Brantford General Hospital, to which he was taken when it was evident that his illness was of a serious nature. The pupils were deeply affected at the news, as George was a general favourite, and they paid a fitting tribute of respect to the memory of their school fellow.

June Concert

The June Concert was above the average this year, and the attendance surpassed all previous records. An interesting visitor was Mr. Thomas Marshall, M.P.P., Chairman of the Educational Committee of the Ontario Legislature. Mr. Marshall who was accompanied by a number of friends from Dunnville, gave a brief address, expressing his surprise and delight at the excellence of the entertainment.

The following programme was presented:

1.—Piano Solo:—"La Fileuse"............................Raff
DAISY CRAWLEY

2.—Children's Choir:—"Polly Oliver"................Old English

3.—Playlet:—A Scene from the Life of Mozart:
(a) Living Room of his Parents' House;
(b) Court of the Austrian Emperor.

4.—Piano Solo:—(a) May Night
(b) Valse Mignon....................Palmgren
KATHRYN SELLS

5.—Songs:—(a) Wayfarer's Night Song..........Easthope Martin
(b) A May Morning..........................Denza
GLADYS BICKERTON

6.—Organ:—Intermezzo in D Flat................Alfred Hollins
KATHRYN SELLS

Presentation of a Chiming Grandfather's Clock on behalf of the ex-pupils of the School..............S. C. Swift, M.A.

7.—Piano Quartet:—Polonaise.......................Gobbaerts
PATRICIA JOYCE, AMY HUTSON, ERNEST CONWAY, ALVIN MORROW

8.—Trio and Chorus:—"Three Little Maids from School"
"Comes a Train of Little Ladies,
from Scholastic Trammels free."
(From Mikado)...........Sullivan
LILLIAN CLARK, GLADYS BICKERTON, KATHRYN SELLS

9.—Song:—"The Spirit Flower"...............Campbell Tipton

10.—Drill— LILLIAN CLARK

11.—Choir of Boy Sopranos:—"No John"...............Old English

12.—Recitation:—"The Baby"
MARY EDWARDS

13.—Part Song (unaccompanied)—"O Hush Thee My Baby"—Sullivan
SENIOR CHOIR

14.—Piano Concerto in G Minor......................Mendelssohn
Andante, Presto
KATHRYN SELLS

Orchestral Accompaniment on Second Piano

In the Playground

A climbing apparatus known as the "Junglegym" was purchased and installed in the boys' playground this year to satisfy the blind child's instinct for climbing, and nothing ever designed for their pleasure has given our boys such satisfaction as this mechanism.

Junglegym contains 278 climbing bars, consisting of about a quarter of a mile of pipe of various diameters, and is 16 feet 8 inches long, 8 feet 4 inches wide, and 10 feet 6 inches high. It contains almost every known stationary piece of apparatus, such as horizontal ladders, vertical ladders, horizontal bars, parallel bars, slides, climbing poles,—a dozen pieces in one.

From its dimensions and design it can be imagined what a great variety of activities in the way of physical exercise it affords. As many as seventy children can occupy it at one time, and it is perfectly safe because the uprights and braces are set in concrete.

The Convention in Texas

The American Association of Instructors of the Blind met in Convention at the School for the Blind, Austin, Texas, and the session lasted from June 27th to 30th.

The reception and entertainment provided by the school officials left nothing to be desired, and the new school buildings are an evidence of the deep interest manifested by those interested in the cause of the blind in the State of Texas.

President VanCleve, of the New York School for the Blind, in an excellent address referred among other things to the two inventions which have been put forward touching the blind most nearly,—the radio-phone and the optophone, the one serving the world of all men, the latter seeking to serve the world of the sightless. To the blind, especially to him who lives remote from great centres, or is in any other sense shut in, the radio is proving a source of entertainment, information, enjoyment and profit. The optophone, if what is prophesied of it ever comes true, will be the most wonderful device as yet invented in the interests of the blind.

It is a machine for turning the black and white page into a sounding medium. It has been known for some time that selenium crystals have the power to make light waves audible and now the application of this knowledge is to be rendered serviceable. At Jersey City for ten months a patient effort to perfect the machine which utilizes the principle has been going forward. Some simplifications have been made in the instrument, the sounds given off by it are amplified so as to make them more readily discernible, and now a blind woman reads from the novel of the day at the rate of twenty-five words a minute. And the optophone is of use only to the blind. It has no practical value to the sighted. What its future will be no one can foretell.

Date of School Opening

The term will re-open Wednesday, September 26th, of this year, 1923, and the attention of the parents is drawn to the fact that pupils should not be permitted to return to the school without an adequate supply of clothing. It is not to be expected that sturdy boys and girls can go through the school year from September till June with only one suit of clothes and one pair of boots.

The following list is intended to draw attention to the articles of clothing needed, and it is also urged that each article be *plainly marked* so that there will be no danger of loss in the laundry.

Girls' List

All articles to be marked with name, and all to be in good condition.

5 Middies.
2 Skirts, dark and of good quality.
1 Sunday dress.
3 Undervests.
3 Pairs of drawers.
2 Dark petticoats.
1 Light petticoat.
3 Night dresses.
3 Pairs of stockings.
1 Pair of rubbers.
2 Ferris waists.
2 Pairs of shoes.
1 Cap.
1 Pair of gloves for winter.
Comb and brush.
Tooth brush.
Kimona.
12 Handkerchiefs.
Slippers.
Extra shoe laces.

Boys' List

All articles to be marked with name, and all to be in good condition.

1 Suit for Sunday.
2 Extra pairs of pants.
1 Overcoat.
2 Light blouses (to be made with collar and waist band).
2 Dark blouses.
3 Suits of underwear.
6 Pairs of stockings or socks.
2 Pairs of boots.
1 Pair of rubbers.
2 Night shirts.
2 Sweater coats.
Suspenders.
1 Pair of mittens.
Neckties.
12 Handkerchiefs.
1 Comb and brush.
1 Tooth brush.
2 Caps.
2 Wash cloths.
Extra shoe laces.

PHYSICIAN'S REPORT

To The Hon. R. H. Grant, M.P.P.,
Minister of Education for Ontario.

Sir,—I beg to forward my report as physician to the Ontario School for the Blind for the year ending October 31st, 1922.

In November, 1921, there was an epidemic of tonsilitis, which lasted some weeks. Thirty pupils in all were confined to bed for a number of days each. Chickenpox broke out in January, twenty-two pupils were confined to hospital, before the disease was ultimately eliminated. In March a male pupil was taken down with a very malignant attack of chorea. Owing to the school hospital being overcrowded, he was taken to the General Hospital where he died in a few days. In April a male pupil developed pneumonia and ultimately made a good recovery.

In addition to the diseases here mentioned, there are the numerous minor ailments that are being duly taken care of by Miss Wright, in her usual sympathetic and efficient manner.

The pupils returned in September, 1922, in increased numbers, and for the most part in good physical condition.

I have the honour to be,
Sir,
Your obedient servant,

John A. Marquis.

Brantford, November 15th, 1922.

DENTIST'S REPORT

To The Hon. R. H. Grant, M.P.P.,
Minister of Education for Ontario.

Sir,—I have the honour to submit the report of my work in taking care of the teeth of the pupils for the year ending October 31st, 1922.

During the year all have had their teeth examined and cleaned. At this time I attempt to impress upon them the importance of brushing their teeth daily and keeping them clean.

Twenty boys and nine girls required no further work.

With pupils of this age most of the extracting is that of the deciduous teeth and the first permanent molar. This is the tooth so many parents think is deciduous and is often neglected.

One hundred fillings were inserted for the boys and sixty for the girls.

In connection with this work I have had the most hearty and sympathetic support of the Principal and others of the staff with whom I have come in contact.

Respectfully submitted,

J. R. Will.

Brantford, January 12th, 1923.

OCULIST'S REPORT

To The Honourable R. H. Grant, M.P.P.,
Minister of Education for Ontario.

Sir,—I have the honour to report the results of the examination of the pupils' eyes for the year 1922.

Thirty-seven new pupils—twenty-three male and fourteen female—were examined for the first time, and a considerable number of the pupils who were examined on previous occasions were looked over again.

Condition of Sight

	Males	Females	Total
1. Without perception of light in either eye	2	2	4
2. Perception of light in one eye, none in the other	4	1	5
3. Perception of light in both eyes	3	3	6
4. Limited objective vision in one eye	6	4	10
5. Limited objective vision in both eyes	8	4	12
	23	14	37

Fifteen of the thirty-seven, almost half, are so deficient in sight as not to be able to distinguish objects, while the sight of the rest, with but few exceptions, is also pretty bad, but yet permits them to find their way around more easily, and thus are of great assistance to the very blind ones in and about the school, not to mention the inestimable assistance to themselves in obtaining their education.

The condition of the eyes in all cases was such that at the present I could not recommend anything that offered a chance of improving the sight, with the exception of a couple who had had cataract operations performed and should be wearing glasses, having formerly worn them, and later for some reason discarded them; these will be attended to.

One boy was found early in the term to have sufficient sight when properly fitted with glasses, which for some reason had never been done before, to be able to obtain his education at public school; the parents were naturally very grateful to have him returned home as a seeing boy.

The average age of the pupils entering is 11.1 years. Comparing this age with the age pupils usually enter public school, say about 6 years, gives an idea of the mistake parents make in holding their blind children back from entering the school when younger, because of the greater difficulties for the blind to obtain an education even with the best facilities, than for those who see. They get just that much less systematic teaching before they must leave the school and consequently about a five-year poorer education than they might have had.

Diseases Causing Blindness

	Males	Females	Total
Optic Atrophy	4	3	7
Cataract	3	2	5
Ophthalmia Neonatorum	2	3	5
Injury to one eye followed by Sympathetic Ophthalmia in the other	3	1	4
Retinitis Pigmentosa	1	1	2
Injury to both eyes	2	..	2
Choroiditis	2	..	2
Congenital Coloboma	..	2	2
Microphthalmus	1	..	1
Myopia	1	..	1
Interstitial Keratitis	..	1	1
Buphthalmus	..	1	1
Measles	1	..	1
Uveitis	1	..	1
Neuro-retinitis	1	..	1
Aniridia	1	..	1
	23	14	37

There is not much change in the proportion of cases from preventable blindness from last year. Ophthalmia neonatorum five cases, where there absolutely should be none. Injury to one eye followed by sympathetic ophthalmia in the other, four cases. Injury to both eyes, two cases, and both of them from explosion of some sort of ignition caps in the hands of children. Four or five of the cases may possibly be laid at the door of congenital syphilis in some preceding generation, while the rest are the result of congenital imperfections or some cerebral conditions which are yet beyond our control.

There were no changes of note in the sight of the pupils of former years, but their general physique on the whole seemed excellent, and the cosmetic effect of substituting artificial eyes for repulsive appearing diseased and blind ones in a few cases was very marked.

It was a pleasure to me to perceive the profound gratitude of one of the older pupils for the considerable improvement in sight he received by operation during this term. The results are not complete yet, but certainly already sufficient to warrant the interference.

Respectfully submitted,

B. C. Bell.

Brantford, Ontario, November 28th, 1922.

REPORT ON MUSICAL INSTRUCTION

To The Honourable R. H. Grant, M.P.P.,
Minister of Education for Ontario.

Sir,—I have the honour to present to you, the results of my examination of the practical and theoretical work accomplished by the students of the Ontario School for the Blind during the past year.

The practical examinations in piano, violin, singing, choral class work, piano and harmonium tuning, were conducted on June 7th and 8th, and the theoretical work on June 10th. The piano students, although much younger than usual, were generally very promising; some ten or eleven of these showed ability beyond their years. The teachers—Mr. Galloway, Miss Smyth and Miss Howell—are to be congratulated on the efficient state of this most important branch of musical study.

I would here recommend that careful attention be given to touch and technique in the various grades of piano teaching.

I noticed in the playing of some pupils, that the touch was rather hard, and that the phrasing and pedalling were poor.

Piano—In the Introductory Grade, nine pupils were examined and eight passed—two with honours, and one with first-class honours.

In the Elementary Grade of ten, all passed—four with honours.

In the Primary, all seven passed—six with honours.

In the Junior Grade, two passed; and in the Intermediate, one passed.

In the Senior (Diploma) Examination, the one candidate—a young girl student—performed her test pieces in a highly artistic manner. Her tone, technique and interpretation were all excellent. She gained first-class honours with eighty-two marks.

The Violin Class, directed by Miss Jones, was a small one, of first year students only; two of these passed the Elementary Grade Test.

Singing and Voice Culture. The pupils in this Department were fewer in number than usual. Mr. Galloway, who has experience and ability in training young singers, is already selecting the best of the many good voices available with the idea of giving them special individual instruction.

One Intermediate candidate passed and one Elementary reached the honour standard.

The School Choral Classes now under Mr. Galloway's direction, are doing good work.

I had the pleasure of listening to several part-songs and choruses, accompanied and unaccompanied. The performance was generally excellent. The tone was bright, the rhythm was well defined and the attack neat and incisive.

There was perhaps a tendency to sacrifice the quality of tone in the effort made to gain power.

The boys' voices in the junior class, were sweet and the tone well placed.

It is evident from the enthusiasm displayed, that the pupils get the keenest enjoyment out of their choral rehearsals and performances.

At the morning prayer service, the hymn and the National Anthem were sung with great heartiness, and the demeanour of the young people was very reverent—making the service an impressive one.

Tuning. The Piano and Harmonium Tuning Class consists of eleven students, most of whom are in their first year. A number of the older pupils have recently graduated and have secured positions in piano factories and warerooms. One young man, who is a tuner at Shanghai, China, receives $220 per month for his services. During my visit to the repair shops, the students gave practical illustrations of their ability to tune, regulate and repair, with remarkable ease.

One youth put a short string on a piano in about three minutes.

Here, as in all departments of the Ontario School for the Blind, a more systematic plan of work obtains than was the case a few years ago.

Mr. Ansell deserves a special word of praise for the high efficiency of his tuning class.

Theory of Music. Thirteen candidates wrote on the Theory (Rudiments) of Music; several gained high marks, but the majority of the papers were weak.

Again, I would suggest that the students in Theory be given two or three test examinations a year, in which they should be encouraged to give their answers in simplest language possible, and not in the exact words of a text-book.

It is satisfactory to know that Mr. Galloway is now organizing a class for the study of Harmony.

In conclusion, Sir, I would say that the Department of Music in the Ontario School for the Blind is in a most satisfactory state.

To the Principal, Mr. W. B. Race—whose educational and disciplinary powers are everywhere felt—I offer hearty congratulations on the sure, steady progress made during the past academic year.

I have the honour to be,
Sir,
Yours obediently,

ALBERT HAM.
Mus. Doc., F.R.C.O.

LITERARY EXAMINER'S REPORT

To The Honourable R. H. Grant, M.P.P.,
Minister of Education for Ontario.

Sir,—Herewith I submit my report as Literary Examiner at the Ontario School for the Blind for 1922.

Staff

All the staff are duly qualified, with the exception of Miss Patterson, and she informs me that she proposes to take a course of study this summer which will qualify her. Miss Summerby has resigned since my last visit, and her place has been taken by Miss Burns, who seems to be very much interested in the work, and promises success.

Organization and Equipment

The High School classes under the charge of Mr. Cole are making very satisfactory progress, although some of the class of last year have withdrawn since my last visit. I understand, however, that some candidates will take the Entrance examination this year.

The Public School classes are in charge of Mr. Langan and Misses Burns, McGuire, Moffit, Lowry and Patterson. The curriculum has been arranged to correspond very closely with that laid down by the Department in the Course of Study for Public Schools.

The school has been equipped with single adjustable seats, which add greatly to the comfort and convenience of the pupils. I was greatly pleased to see that a suitable Household Science room has been provided and equipped with the most up-to-date electrical equipment.

The classification of the pupils both as to age and ability is the most satisfactory that I have yet seen at the school, and is certainly conducive to the advancement of the pupils.

The enrolment is somewhat larger this year than last and promises to be still larger next year. It will be necessary to provide more class rooms, in order to carry on the work next year as successfully as it has been during the past.

All the teachers are putting forth splendid efforts for the advancement of the pupils and this effort is reciprocated by interest on the part of the pupils.

Pupils' Work

I examined the several classes in the following subjects: Reading, Spelling, Literature, Writing, Grammar, Arithmetic, Physics, Sewing, Knitting, Household Science, Manual Training, and Typewriting.

I found more progress and proficiency in the pupils this year than formerly, and attribute it largely to the improved organization and equipment, and to the increased proficiency of the teachers, which results from experience.

I observe that less attention is given to purely memory work and that the children are being taught to reason. In the Manual Training Departments considerable skill and ability is acquired, e.g., one girl was able to purchase her clothing for this year from the proceeds of work made and sold during the last summer vacation. The increased accommodation in Household Science now permits of sixteen girls receiving instruction. I was glad to note the improved expression on the part of the pupils. There was a decided improvement in reading and the high standard which I have always found at this school in spelling and arithmetic was maintained this year.

I have the honour to be,
Sir,
Your obedient servant,
E. E. C. Kilmer.

Brantford, June 12th, 1922.

How shall Parents Manage Their Blind Children in their Early Years at Home and how Bring them up?

If you have a blind child, consider that God has given it to you to be tended with unusual love and care. If you give it proper care and it lives to grow up, it will be a capable and happy human being, who will fill its place in life and will bring comfort to you. But if, on the contrary, you neglect or spoil your child, it will then be a poor bit of humanity, a burden both to you and to itself. Hence attend to the following rules:

1. Treat the blind child exactly as if it were a seeing child, and try as early as possible to make it put its body and mind into action. As soon as it begins to use its hands give it toys to play with. Talk to it, sing to it, and give it toys that make a noise, to attract its attention and arouse its mind.
2. Teach the child to walk at the age when seeing children learn.
3. Do not allow the child to sit long in one place alone and unoccupied; but encourage it to go about the room, in the house, in the yard, and when older, even about the town. Teach it to know by touch all objects around it.
4. As soon as possible teach the child to dress and undress, to wash itself, to comb its hair, to take care of its clothes, and, when at table, to use properly spoon, fork and knife. A blind child can do all these things as well as a seeing child; but you must give it much practice in doing them; because it cannot learn by observation.
5. Watch carefully the child's personal appearance. It cannot see how others act, and so readily acquires habits which are disagreeable to its companions. Some of the most common mannerisms of blind children are rocking the body, twisting the head about, sticking the fingers into the eyes, distorting the face, swinging the arms, stooping and hanging the head in walking and bending over in sitting. As soon as you observe such practices in your child, you should make a vigorous attempt to break them up; for, if they once become habitual, years of schooling may be unable to overcome them.
6. Permit the blind child to play as much as possible with seeing children, and to romp often with them out of doors. Frequently take the child walking, and direct it in some simple physical exercise. If it is obliged to sit still, you should at least give it balls, pebbles, blocks, a doll, a harmonica, or such other toys as appeal to touch and to hearing.
7. If you would inform your child of the world about it, you must let it touch all the objects that you can get at, and must teach it to appreciate space and distance by actual measurements. To cultivate its sense of touch, let it handle familiar objects, like different woods, plants and coins.
8. Allow the child to take part as early as possible in household duties. Allow it to string buttons or shells; to shell and pick over beans, peas, and nuts; to

clean furniture and kitchen utensils; to wash dishes; to grind the coffee; to peel potatoes; to gather the fruit in the garden; to feed the hens, doves, dog, cat, and other domestic animals. You can also occupy the child pretty well in easy handiwork, such as winding yarn, braiding the hair and in coarse knitting.

9. Speak with your child much and often, for, since it cannot read the loving care which is written on your face, it has special need to hear your voice. Ask the child frequently what it hears or feels, and induce it to ask many questions as to what is going on around it.

10. Take care what you say before your child; for the blind child is more attentive to all that it hears than the seeing child is, and for this reason retains it better.

11. When in the presence of your child, never indulge in expressions of pity for its blindness, and suffer no one else to do so. Such expressions can only discourage and depress the child. Rather seek to encourage it and keep it engaged in happy activity, in order that it may strive cheerfully and courageously to be independent later in life, and to do without external consolation and assistance.

12. Give the child occasion to exercise its memory. A good memory will later be found invaluable. Have it commit to memory such proverbs, short poems, and stories as it enjoys.

13. The blind child's moral and religious nature can be developed just as early as the seeing child's.

INFORMATION FOR PARENTS

The following information regarding the aims and objects of the School will be of especial interest to parents who are considering sending their children:

Where It is—What It Is—What It Does

The Ontario School for the Blind was established in 1872, and formally opened in May of that year. The site overlooks the valley of the Grand River, and includes one hundred acres of valuable land. The opportunities afforded to the pupils and other residents of the school for healthful recreation are more than usually ample. No school for the blind in either Great Britain or the United States will compare with this one in that regard. The school is greatly favoured, too, by being within the limits of the City of Brantford, one of the most enterprising in the Province. The city cars pass along St. Paul's Avenue at the entrance to our beautiful park, and radial lines pass on either side in the direction of Paris and Galt. The interest taken by the churches in the welfare of the pupils, the frequent intellectual and musical entertainments to which the latter have access, and the healthful, moral and social conditions generally, all act most favourably on the lives and characters of the young people thus brought in contact with them.

The school was founded for the purpose of imparting general education, as well as instruction in some professional or industrial art to all blind youths of both sexes, between the ages of seven and twenty-one, not being deficient in intellect, and free from disease or physical infirmity. It is not intended as an asylum for the aged or infirm, nor as a hospital for the treatment of disease; but in its design has reference only to the physical, mental, and moral training of blind children.

It is required that all pupils sent to the school should be decently and comfortably clothed, and furnished with a sufficient change and variety of apparel to ensure cleanliness and comfort. A supply sufficient for the term must be furnished or guaranteed before the pupil can be admitted.

The regular session commences on the fourth Wednesday in September, and continues until the third Wednesday in June, at which time every pupil must be removed to his or her home or place of abode. Guides are provided where necessary at the beginning and the end of the school term to look after the safety of children when they are travelling, but parents wishing to have their children with them at the Christmas vacation are expected to make all arrangements for the journey, both going and coming, and to guarantee that they will not be exposed to any contagious disease.

No fee is charged for tuition or board, but parents must pay all travelling expenses to and from school.

Terms of Admission

The term "blind person" is liberally interpreted to mean those who, by reason of actual blindness or impaired or defective vision, are incapable of receiving instruction in the Public Schools. As a matter of fact, about half the pupils have some perception of objects, and have come after trying unsuccessfully to wrestle with the ordinary work of a school for the seeing. In many cases pupils come whose eyesight is in a critical condition from the strain imposed upon it by endeavouring to keep up with seeing pupils.

Pupils are admitted between the ages of seven and twenty-one years, but the rule is flexible enough to be disregarded if in the opinion of the Principal an individual case warrants an exception being made. But pupils must be free from bodily infirmity or mental deficiency.

The Course of Instruction

The courses of study followed in the Ontario School for the Blind are exactly the same as in the Public Schools of the Province, with the single exception of art. Pupils enter, however, at such a variety of ages that our system must be flexible enough to adapt itself to circumstances. Those who have had a previous training in the first grades of the Public School are given a test and placed in the class for which they are best fitted. But the child of seven or eight years who is attending school for the first time will receive his first lessons in the Kindergarten class, where he will learn all the little handy arts taught in the public Kindergarten schools, such as weaving, sewing, plaiting, and modelling familiar objects in clay. Here he gets his first ideas of music in the Kindergarten songs. Then his physical powers are developed systematically by exercises in a well-warmed and well-ventilated gymnasium. He will devote a short time daily to learning arithmetic, in its elementary stages, and also be taught to read. Arithmetic is rendered easy by use of blocks or other objects, and the alphabet is mastered by the aid of embossed cards. In this way a clever child will, at the end of a session, surprise his friends by the progress, in reading by the touch small words or even sentences, he has made.

As the pupil progresses he will take up new subjects of study in each class. Among these geography, taught by the aid of raised sectional maps, will be one of the most interesting. On these maps our own Province, with its counties, lakes, rivers, railways, cities, towns, etc., is carefully studied. The Dominion, with all its political divisions and geographical features, is mastered. Great Britain, with its commercial centres and other characteristics, is made perfectly familiar to the young pupils; while the United States and the Continents of Europe, Asia, Africa, and America, are all handled in turn on the same principle. That geography can be most successfully taught objectively is admitted. Many are the envious looks cast by public school teachers at our maps.

Natural history is taught with the aid of stuffed birds, animals, reptiles, and fishes. The laws of hygiene are thoroughly impressed upon the minds of the pupils, which naturally tends to the development and maintenance of a robust and vigorous physical condition.

Blind pupils will, in all essential particulars, hold their own with the highest class in the public schools, while it is probable that they will really have a more complete acquaintance with certain subjects than their seeing competitors, and if a student has higher literary aspirations with a distinctively practical object, he can prepare himself here by fully qualified teachers for University Matriculation.

Music

There is a mistaken impression that the blind are gifted with musical talents to a greater extent than the average of seeing persons. But, as a matter of fact, there is nothing in blindness to quicken musical perceptions. Music is, however, a study particularly adapted to the blind, provided that the pupil has an ear that may be trained, and a musical sense that may be developed and cultivated. Remarkable results are attained, too, from the concentration of the mind on the study, which is easier to a blind person than to a seeing one. Every pupil in the school who can be taught music to reasonable advantage has the opportunity. But to expect us to make an accomplished musician out of a pupil merely because he is blind is absurd. Pupils of our school have passed very creditably the difficult examinations of the Toronto Conservatory of Music and the University of Toronto. Many are reaping the reward, as organists and music teachers, of the instruction they received at our school. That instruction includes the pipe organ, piano, theory, violin, and vocal music, and where the accomplishment is not complete enough to enable the pupil to follow it as a vocation in life, it at least contributes to the pleasure and joy of life, and it is just as important to make people happy as to make them money earners, and music is a powerful agent to that end. Where without such qualifications a blind man or woman might spend a dreary life in listless idleness, he or she may in this way attain a social position many sighted ones will envy.

Blind pupils are taught music just as are seeing ones, by note and by practice. They play just as deftly and correctly as those who have the best vision. The notes are taught in the ordinary way. Then the exercises are dicated by the teacher to the pupil, who writes them in a cipher, consisting of raised dots made with a stylus on stout paper, and so arranged as to constitute the several musical signs. These are read by touch, and the pupil practising at the piano reads with the one hand while he practises with the other, right and left alternately, so that either hand in turn serves for the eyes, and the piece is committed to memory and played over until the teacher is satisfied it is played correctly. Examinations are held annually in both the literary and musical departments by gentlemen of the highest reputation in the respective professions, and the results are fully conveyed to the parents.

Typewriting

All well-organized Schools for the Blind make provision for instruction in the use of the typewriter. It supplies the pupils with a convenient means of correspondence very superior to the pencil and grooved card, and its use teaches accuracy and precision in writing and spelling. The use of the dictaphone renders it unnecessary for those who wish to become typists to depend upon shorthand notes, and several of our girls have become quite expert.

Piano Tuning

Special attention is paid to piano tuning, as this vocation is one in which the blind can always excel, and they compete with seeing tuners on equal terms. One can become an excellent tuner without becoming a thoroughly successful pianist, although it is always urged that those who wish to become tuners should become proficient players, for reasons that are obvious. There are altogether thirty-five pianos in the school, as well as an excellent pipe organ, and pupils are taught to understand the mechanism of the instruments. All the pianos used are repaired in the school, and the pupils have the benefit in this way of learning from their instructor much about the structure of the instrument and the execution of such repairs as a tuner is expected to undertake. Pupils graduating from the tuning department receive a complete outfit of tools and a certificate vouching for his qualifications. Many are filling remunerative positions throughout the province.

Manual Training

Under the supervision of an expert instructor the boys are given the same opportunity at manual training as is found in the Public and High Schools, and it is really remarkable how expert they become in the use of tools and in the construction of different articles of woodwork. Cane chair-seating, too, is soon learned, and many of the smaller boys take delight in exhibiting their skill in this respect in their own homes, where the work can be done with little inconvenience. Broom making is also taught, and as brooms are a necessity in every household, lucrative employment has been found for those who select this form of handiwork. But even to those who do not, or are not likely to go permanently into a workshop, there comes such an insight into mechanical methods as may be useful to them in after life.

The Sewing Classes

Under the watchful supervision of a skilled and patient teacher, the girls, whether they choose to adopt music as their profession or not, must follow an outlined course of instruction in sewing. The faculty of passing spare moments delightfully, and of entertaining others with music, vocal or instrumental, is by no means to be deprecated. But the usefulness in the family circle will be complete if, in addition to a delightful accomplishment, the homelier ones of sewing, knitting, fancy-work, and cooking are available, and all these are obtainable by our pupils. Both hand and machine sewing are taught, and not only plain sewing, but every form of work for which the ingenuity of the inventor has supplied an "attachment" to the sewing machine.

Knitting and Fancy Work

The classes in knitting and fancy work afford a rather wider scope for earning money than does the former branch, however useful in a domestic sense the art of sewing may be. The girls buy their own wools, and under the guidance of their teacher, they make knitted articles of every description, which find a ready sale. Many execute orders for friends, who are glad to pay a fair price for the articles. At the great exhibitions on this continent and in Great Britain, both our sewing and knitting room specimens of work have been most favourably commented on.

The Cooking Class

This class is not designed for turning out what are known as professed cooks. To that distinction the most ambitious of our pupils does not aspire. But no one will deny that, as affecting the health and comfort of the family, cookery takes a first place, and if the blind daughter can cook the dinner, set the table, and wash up the dishes while her sisters mind the store or teach in the school, and the mother performs her numerous matronly duties, the blind girl will be a treasure, and this is what we wish all our blind girls to be.

Our classes in cooking are provided with every facility for acquiring a thorough knowledge of domestic science in all its phases.

Physical Culture—Gymnasium

Given the most healthful surroundings, it is universally admitted that the blind youth needs something more. The robust exercises in which seeing youths indulge and which go so far to develop the muscle and give a tone to the whole system, are almost altogether beyond the reach of the blind. The tendency of blindness is to limit physical exercise and to acquire a generally inactive habit. This manifests itself by a desire to sit down and pass away in idleness moments that could be used with profit to the health and physical development. A well-equipped gymnasium helps to overcome this, and this advantage in our school has a most marked beneficial result. Well warmed and ventilated, the gymnasium can be used at all seasons, and is a splendid place for recreation, even when not needed for systematic instruction. The classes assemble at fixed periods as part of the regular curriculum, and are put through their several exercises according to the perfectly scientific method. In addition to this there are opportunities for recreation out of doors. Slides and swings are provided for both boys and girls, and a running track with wires, to which rings are attached by ropes, enable the pupils to run as fast their legs will carry them without fear of stumbling or getting off the beaten track.

Club Rooms

The boys' club room is fitted up with tables and comfortable chairs, to which they repair at stated times for such games as dominoes, checkers, bagatelle, in all of which they take a great interest. The girls, too, have a sitting-room, in which they have a piano, and may happy moments are spent there after the classes for the day are over, and on holidays.

How the Day is Spent

A brief sketch of the daily life of the pupils will be interesting. The day begins with the ringing of the large bell at 6.30 a.m. That is the signal for every one to be stirring. Pupils must rise, and, after dressing, make their own beds, although some of the smaller boys and girls are unequal to the task, and in the case of others, a certain amount of "tidying" is necessary. Breakfast is at 7.30 after which all pupils must take a morning walk over a prescribed route. At 8.30 the bell summons to the Assembly Hall. The attendance of all is obligatory on this occasion. The National Anthem is sung to the accompaniment of the pipe organ, after which necessary announcements are made by the Principal, and the news of the day in brief is given. The pupils always take a keen delight in this resume of the morning paper, for it keeps them in close touch with current events, and their information is quite up-to-date. A few records from the best artists are then placed on the Victrola, or perhaps a selection is played on the player-piano, and the day is thus started with the melody of sweet music. The Roman Catholics then retire to a separate room, where a service is conducted by officials of their own communion. For the others, the service conducted by the Principal consists of hymn singing, Bible reading and prayers. At 9 o'clock the literary, musical, sewing and knitting classes commence, continuing, with an intermission of fifteen minutes, until a quarter to twelve. Dinner is at 12, and classes are resumed at 1.30, continuing until 3.30 or 4 o'clock, when nearly all are at liberty. Supper is at 5.30. At 7 o'clock the very young pupils go to bed, the older ones going to the Assembly Hall for evening reading from the best standard literature available. Letters are then read to the pupils or written for them, and the intermediate pupils retire to the dormitory at 8.30. The older pupils, who in the summer time walk about the grounds, or in the winter play games in their club room, retire for the night at 9.30. On Saturday the younger boys and girls are taken for walks or down town to make purchases, and the older pupils are permitted to go out alone, those who have a slight degree of sight accompanying the totally blind. On Sunday, after the opening prayers, the pupils attend Sunday School classes for an hour in the school, after which everybody goes to church, old and young, under the care of their teachers, the denominations chiefly represented being Anglican, Methodist, Presbyterian and Catholic.

So it will be seen that life in the school is a busy, active life, very different from what the imagination often pictures, and altogether the reverse of that which the blind child or youth is condemned to pass at home. It may safely be affirmed that, allowing for all the defects incidental to their various conditions, and often the lack of an early training it would be hard to find any body of young people in this Province more happy, lively, intelligent and self-respecting than the pupils of the Ontario School for the Blind.

Domestic Arrangements

The ground floor is devoted to class-rooms, business offices, reception room, etc., etc. On the floor above are teachers' sitting-rooms, and club rooms, practice rooms and library. On the third floor is the large Assembly Hall, with its comfortable opera chairs, its fine pipe organ, and a commodious stage. On the same floor is also the hospital, elaborately equipped, in charge of a well-qualified trained nurse, whose duty it is to take care of those who are sick. In the rear annex are the dining-rooms, domestics' quarters, kitchen, store-rooms and bakery, while beyond these again are the engine-rooms and laundry. The boys' and girls' dormitories are on opposite sides of the main building. In these are to be found the very latest appliances. There are twenty-two rooms in each building for the pupils, each provided with three beds, three clothes closets, and one bureau with three large and three small drawers. The doors are numbered in brass tack point print. Besides the two stories on which the sleeping rooms are located, there are a basement and an attic, with rooms for storage, and every precaution has been used to make the buildings fireproof. In the basement are two large rooms fitted up with shower baths and tub baths, while on the bedroom floors there are several wash rooms and lavatories which would be a credit to the finest hotel on the continent.

The manual training room is a large separate building, as is also the building where piano tuning is taught. At a short distance from the main building are the houses of the Superintendent and Bursar. The engineer occupies the lodge house at one of the entrances to the grounds. With two or three exceptions the officers reside on the premises. The general management devolves upon the Superintendent, while the Bursar attends to all financial matters and the purchasing of supplies. The Matron has entire charge of the domestic departments. In addition to the trained nurse there are also two thoroughly competent nurses, one for the boys and one for the girls, whose duties are to look after the clothing and to report to the head nurse, if necessary, any cases of illness which should go to the hospital.

The dietary is a very generous one, quite equal to that of any high-class boarding school, if not superior to most. The pupils have a hot dinner daily, with dessert and as great a variety as can be desired. At the same time the pampering of the appetite is discouraged, and pupils so indulged, as is often the case at home, soon learn to enjoy the plain but plentiful and wholesome provision made for them. Watchfulness over the pupils' health and prompt treatment in case of sickness are further secured by a daily visit from the school physician, and once a year at least a well-qualified eye specialist makes an examination of all the pupils' eyes. In addition to this, a thoroughly competent dentist takes care of the teeth of every pupil attending the school.

Correspondence

Pupils may correspond with their friends as often as they please, and once a month it is obligatory on them to do so. On that occasion the postage is provided by the school. All letters received for pupils are supposed to be opened by the Superintendent and handed by him to the respective officers on duty to be read to the receivers. The strictest confidence is observed in regard to the contents of such letters. Money remitted for pupils is placed in the hands of the Bursar, and it can be drawn out when required. This method avoids the risk of money being dropped or lost, with the disagreeable results such accidents are likely to entail.

Vacation

The regular annual session commences on the fourth Wednesday in September, and continues until the third Wednesday in June. Previous to the summer vacation all parents or guardians are notified of the place and hour at which the pupils may be expected to arrive. A similar notice is sent when the pupils reassemble. A guide usually accompanies every party of pupils to their destination. The railway companies grant special rates for the round trip on very liberal terms. It is cause for profound satisfaction that since the school's existence no accident attended with bodily injury has ever befallen a travelling pupil. The care taken by the guides and the very kind and thoughtful attention of the railway officials, who take a friendly interest at all times in the blind traveller, have conduced doubtless to their immunity from harm and danger.

Visitors

Visitors desirous of inspecting the work and methods of the school are welcomed at any time during school hours, and conducted through the building by an attendant. Saturdays and Sundays, however, are closed days. Pupils' friends and relatives are entitled to visit them whenever they please, but the school cannot undertake to provide accommodation for parents whose homes are at a distance.

Inspection and Control

The school is under the direct supervision of the Minister of Education. To him, as the representative of the Government, all the officials are strictly responsible. It is the wish of all connected with the school that everything should be done to enhance the comfort and happiness or aid the progress of the pupils, and thus strengthen the school in the confidence of the public. All applications for admission, or information, should be addressed The Superintendent, Ontario School for the Blind, Brantford.

ONTARIO SCHOOL FOR THE BLIND

I.—Attendance each official year since the opening of the School

	Male	Female	Total
Attendance for portion of year ended 30th September, 1872	20	14	34
" for year ended 30th September, 1873	44	24	68
" " 1874	66	46	112
" " " 1875	89	50	139
" " " 1876	84	64	148
" " " 1877	76	72	148
" " " 1878	91	84	175
" " " 1879	100	100	200
" " " 1880	105	93	198
" " " 1881	103	98	201
" " " 1882	94	73	167
" " " 1883	88	72	160
" " " 1884	71	69	140
" " " 1885	86	74	160
" " " 1886	93	71	164
" " " 1887	93	62	155
" " " 1888	94	62	156
" " " 1889	99	68	167
" " " 1890	95	69	164
" " " 1891	91	67	158
" " " 1892	85	70	155
" " " 1893	90	64	154
" " " 1894	84	66	150
" " " 1895	82	68	150
" " " 1896	72	69	141
" " " 1897	76	73	149
" " " 1898	74	73	147
" " " 1899	77	71	148
" " " 1900	77	67	144
" " " 1901	72	66	138
" " " 1902	68	70	138
" " " 1903	67	64	131
" " " 1904	68	66	134
" " " 1905	67	74	141
" " " 1906	71	76	147
" " " 1907	72	72	144
" " " 1908	71	68	139
" " " 1909	72	70	142
" " 31st October, 1910	77	67	144
" " " 1911	76	61	137
" " " 1912	69	55	124
" " " 1913	62	62	124
" " " 1914	65	59	124
" " " 1915	70	62	132
" " " 1916	82	61	143
" " " 1917	74	53	127
" " " 1918	75	51	126
" " " 1919	77	51	128
" " " 1920	81	55	136
" " " 1921	87	59	146
" " " 1922	96	59	155

II.—Age of Pupils for the year ended 31st October, 1922

Years	Number	Years	Number	Years	Number
Five	0	Thirteen	12	Twenty-one	3
Six	0	Fourteen	16	Twenty-two	2
Seven	4	Fifteen	13	Twenty-three	1
Eight	11	Sixteen	14	Twenty-four	0
Nine	10	Seventeen	6	Over twenty-five	2
Ten	14	Eighteen	8		
Eleven	12	Nineteen	9	Total	155
Twelve	14	Twenty	4		

III.—Nationality

	Number		Number		Number
American	2	Indian	3	Ruthenian	1
Austrian	3	Irish	9	Scandinavian	1
Canadian	60	Italian	3	Scotch	12
Danish	1	Hebrew	1	Ukranian	1
English	39	Norwegian	1	Welsh	1
Finlander	1	Polish	3		
French	4	Roumanian	1	Total	155
German	3	Russian	5		

IV.—Denomination of Parents

	Number		Number		Number
Anglican	39	Lutheran	8	Ruthenian	2
Baptist	8	Methodist	34		
Christian Science	1	Presbyterian	37	Total	155
Hebrew	2	Roman Catholic	24		

V.—Occupation of Parents

	Number		Number		Number
Accountant	1	Electricians	2	Millers	2
Bakers	2	Engineer	1	Musician	1
Barber	1	Farmers	40	Paper Maker	1
Blacksmith	1	Foreman	1	Painter	1
Bookkeepers	2	Gardeners	2	Pedlars	2
Bricklayer	1	Grocer	1	Policemen	1
Butcher	1	Horseman	1	Printer	1
Cabinet Makers	2	Hotel Man	1	Railway Employees	8
Carpenters	6	Hunter	1	Salesman	1
Carters	3	Janitor	1	Sawyers	2
Clerks	4	Jeweller	1	Soldier	1
Coal Dealer	1	Labourers	35	Stove Mounter	1
Conductor	1	Machinists	5	Tuner	1
Confectioner	1	Magistrate	1	Unknown	3
Contractors	2	Manager	1		
Craneman	1	Mechanic	1	Total	155
Dentist	1	Merchants	3		

VI.—Cities and Counties from which Pupils were received during the official year ended 31st October, 1922

City or County	Male	Female	Total	City or County	Male	Female	Total
County of Addington	1	1	2	County of Perth	1	..	1
District of Algoma	..	1	1	City of Peterboro'	1	2	3
City of Belleville	..	1	1	County of Renfrew	2	..	2
City of Brantford	1	3	4	County of Russell	..	2	2
County of Frontenac	..	1	1	City of Sarnia	..	1	1
County of Grenville	1	..	1	County of Simcoe	3	..	3
City of Hamilton	1	2	3	City of St. Thomas	1	..	1
County of Haldimand	2	..	2	District of Thunder Bay	1	..	1
County of Huron	2	..	2	City of Toronto	15	10	25
City of Kingston	2	..	2	District of Timiskaming	2	1	3
County of Leeds	3	1	4	County of Welland	1	2	3
County of Lincoln	1	..	1	County of Wellington	1	1	2
City of London	2	2	4	County of Wentworth	3	..	3
District of Muskoka	1	..	1	City of Windsor	..	1	1
District of Nipissing	3	1	4	Alberta	11	4	15
County of Northumberland	1	..	1	Manitoba	19	10	29
County of Ontario	3	3	6	Saskatchewan	10	7	17
City of Ottawa	..	1	1				
County of Oxford	..	1	1	Totals	96	59	155
County of Peel	1	..	1				

VII.—Cities and Counties from which Pupils were received from the opening of the School until 31st October, 1922

City or County	Male	Female	Total
County of Addington	1	1	2
District of Algoma	10	6	16
County of Brant	10	8	18
City of Brantford	17	14	31
City of Belleville	4	2	6
County of Bruce	10	12	22
County of Carleton	2	2	4
County of Dufferin	2	1	3
County of Dundas	3	3	6
County of Durham	4	4	8
County of Elgin	7	6	13
County of Essex	15	22	37
County of Frontenac	5	5	10
County of Glengarry	8	2	10
County of Grenville	3	2	5
County of Grey	11	12	23
City of Guelph	4	5	9
County of Haldimand	6	5	11
County of Haliburton	2	..	2
County of Halton	7	3	10
City of Hamilton	24	23	47
County of Hastings	6	6	12
County of Huron	15	13	28
City of Kingston	8	4	12
County of Kent	11	8	19
County of Lambton	20	8	28
County of Leeds	18	5	23
County of Lanark	4	4	8
County of Lennox	4	1	5
County of Lincoln	4	3	7
City of London	15	11	26
County of Middlesex	10	13	23
District of Muskoka	4	4	8
County of Norfolk	11	10	21
City of Niagara Falls	..	1	1
District of Nipissing	10	8	18
County of Northumberland	6	9	15
County of Ontario	10	14	24
City of Ottawa	27	4	31
County of Oxford	8	14	22
District of Parry Sound	3	..	3
County of Peel	4	2	6
County of Perth	6	11	17
County of Peterborough	15	7	22
County of Prince Edward	7	2	9
County of Prescott	2	2	4
County of Renfrew	9	6	15
County of Russell	6	4	10
District of Rainy River	1	1	2
City of St. Catharines	3	2	5
City of St. Thomas	4	2	6
City of Stratford	3	1	4
County of Simcoe	14	11	25
County of Stormont	5	2	7
City of Toronto	91	59	150
District of Thunder Bay	1	..	1
County of Victoria	9	2	11
County of Waterloo	13	6	19
County of Welland	9	7	16
County of Wellington	11	9	20
County of Wentworth	10	11	21
County of York	21	17	38
Province of Quebec	5	1	6
Alberta	17	8	25
British Columbia	11	4	15
Manitoba	28	21	49
Saskatchewan	14	13	27
United States	1	1	2
Totals	669	490	1159

VIII.—Cities and Counties from which Pupils were received who were in Residence on 31st October, 1922

City or County	Male	Female	Total
Addington	..	1	1
District of Algoma	..	1	1
City of Belleville	..	1	1
City of Brantford	2	3	5
County of Frontenac	..	1	1
County of Grenville	1	..	1
County of Haldimand	2	..	2
City of Hamilton	..	2	2
County of Huron	2	..	2
City of Kingston	2	..	2
County of Leeds	3	1	4
County of Lincoln	1	..	1
City of London	1	1	2
District of Muskoka	1	..	1
District of Nipissing	2	1	3
County of Northumberland	1	..	1
County of Ontario	2	3	5
City of Ottawa	..	1	1
County of Oxford	..	1	1
County of Peel	1	..	1
County of Perth	1	..	1
City of Peterboro'	1	2	3
County of Renfrew	2	..	2
County of Russell	..	1	1
City of Sarnia	..	1	1
County of Simcoe	3	..	3
City of St. Thomas	1	..	1
City of Toronto	15	9	24
District of Timiskaming	1	2	3
County of Welland	1	2	3
County of Wellington	1	1	2
County of Wentworth	3	..	3
City of Windsor	..	1	1
Alberta	10	3	13
Manitoba	17	8	25
Saskatchewan	10	7	17
Totals	87	54	141

Maintenance Expenditure for the Year ended October 31st, 1922, Compared with the Previous Year.

Service	Expenditure Year ended October 31st, 1921	Expenditure Year ended October 31st, 1922
	$ c.	$ c.
Medicine and Medical Comforts	290 42	422 44
Groceries and Provisions	9,935 90	9,377 98
Bedding and Clothing	421 50	915 05
Fuel, Light and Power	15,622 90	8,312 42
Laundry—Soap and Cleaning	1,129 96	1,169 44
Furniture and Furnishings	1,199 97	1,484 45
Farm and Garden	1,105 57	1,038 59
Repairs and Alterations	1,150 89	1,286 26
Advertising and Printing	732 89	591 87
Books, Apparatus and Appliances	1,172 04	1,650 11
Pupils' Sittings in Church	200 00	200 00
Y. M. C. A. Memberships	100 00	100 00
Rent of Hydrants	160 00	160 00
Water Supply	297 66	630 22
Inspection of Literary and Musical Classes	200 00	250 00
Oculist—Care of Eyes	171 00	150 00
Dental Inspection—Care of Teeth	150 50	163 00
Musical Instruments, including Supplies	89 40	570 46
Repairs to Pianos and Organs	77 98	94 95
Hardware, Paint and Oils	734 55	442 11
Workshop—Tools and Material	1,279 59	1,395 97
Engineer's Supplies	486 12	362 81
Models and Outfits	71 55	98 00
Travelling Expenses	137 63	451 61
Motor Conveyances and Maintenance	......	900 00
Contingencies	2,516 00	1,155 65
Salaries	46,180 86	47,822 84
	$85,614 88	$81,196 23

Our Expenditure for the year ended October 31st, 1922	$81,196 23
Less amount of Perquisites and Casual Revenue	14,599 92
Actual Cost of Maintenance	$66,596 31
Average Attendance	130
Average per capita Cost per year	$512 27

Certified correct,
G. H. RYERSON,
Bursar.

October 31st, 1922.

APPENDIX Y

ONTARIO SCHOOL
FOR
THE DEAF

ANNUAL REPORT OF THE SUPERINTENDENT

To the Honourable R. H. Grant, M.P.P.,
Minister of Education for Ontario.

Sir:

I have the honour to submit for your consideration the annual report of the Ontario School for the Deaf for the year ending October 31st, 1922.

The Attendance

The average attendance for the session 1921-22 was 270. This was an increase of 25 over that of the previous year or an increase of 10.2 per cent. The number of pupils on the roll at the close of school in June was 269, and at the reopening in October it was 281, which has since been increased to 292, the largest attendance in the history of the school. Applications now being received would point to a still further increase in the number of pupils in future sessions.

The Expenditure

The net expenditure for the year was $111,605.09 and that of the year 1920-21 was $126,615.47, which shows a decrease in net expenditure of $15,010.38. The total amount of salaries for the year 1920-21 was $70,296.52, and that for 1921-22 was $74,842.82, showing an increase in salaries of $4,546.30. The cost of supplies, etc., for 1920-21 was $56,318.95, and that for 1921-22 was $36,762.27, showing a decrease of $19,556.68. A reduction of $10,747.16 for "fuel, light and power" accounts for more than half the total reduction and a saving estimated at $3,000 from a shortened session owing to building operations, still leaves an amount of $5,809.52 of a reduction in cost of supplies other than "fuel, light and power." Everything that could possibly be done to economize was done to the limit of not lessening the efficiency of the work of the school.

The New Main Building

The new main building is now approaching completion, the greater portion being occupied since the reopening of school on October 1st. This building comprises offices, school rooms, teachers' rest rooms, library, reception room, dining-room and kitchen with the necessary refrigerator rooms and scullery, attendants' dining-room, bakeshop, storeroom and assembly hall. It is well and substantially built and well planned for the work it is intended to do.

The classrooms are of a suitable size and well lighted and are equipped with all appliances necessary in the work of teaching the deaf. The whole building is such that it can be kept in a very sanitary condition and heated at a considerable reduction in the quantity of fuel. The building, without being extravagant, is first-class in every particular, and is a credit to the Province and to the architect, Mr. F. R. Heakes.

The Work of the Session

The school work was carried on during the session 1920-21 in 24 classes with 25 teachers. In October, owing to the large increase in pupils, three additional teachers were engaged, and at present we have 26 classes and a staff of 28 teachers, two teachers doing supervising work. The progress in all classes has been good and the improved organization is showing results. The attendance will likely require still further addition to our teaching staff for the session of 1922-23.

The Convention

The Convention of the American Instructors of the Deaf will be held here in June, commencing on Monday, June 25th, and closing July 2nd.

It is expected that all the leaders in deaf education in the United States and Canada, along with a good representation from Great Britain, will be in attendance, and that our school will benefit materially by all our staff having an opportunity of being in attendance at the convention.

The report of Mr. H. J. Clarke, literary examiner, and that of Dr. Boyce, the attending physician. are hereby appended.

Before concluding this report I wish to thank you, Dr. Grant, and the Deputy Minister, Dr. Colquhoun, for the constant courtesy and assistance given me in the management of the school throughout the year.

I have the honour to be,

Sir,

Your obedient servant,

C. B. Coughlin,
Superintendent

Belleville, November 1st, 1922.

Officers of the School

C. B. Coughlin, MD	Superintendent.
J. W. Pearce	Bursar.
W. W. Boyce, M.D	Physician.
J. Chant, M.D	Oculist and Aurist.
Miss E. A. Willoughby	Matron.

Teachers

Manual.

Miss G. Linn, Supervising Teacher, Manual Department.
D. R. Coleman, M.A., Teacher Emeritus.
Mrs. Sylvia C. Balis.
Miss Ada James.
Miss Nina Brown.

Oral.

W. J. Campbell, Supervising Teacher, Senior Oral Department.
Miss C. Ford, Supervising Teacher, Junior Oral Department.
Geo. F. Stewart.
E. B. Lally.
K. C. VanAllen.
Miss E. Deannard.
Miss V. G. Handley.
Miss L. Carroll.
Miss E. Nurse.
Miss B. Sunter.
Miss B. Rierdon.
Miss H. A. Stirk.
Miss E. Panter.
Miss E. M. Haugh.
Miss H. M. Dutton.
Miss Fanny Curry.
Miss G. Bradley.
Miss Verne J. Smith.
Miss Clara Russell.
Miss Tillie White.
Miss Clara Blakely.
Miss Mary Coffey.
Miss Marjorie Frost.
Miss Annie Aitchison.

Mrs. L. G. Williams	Teacher of Sewing.
Miss K. Bawden	Clerk and Stenographer.
Wm. Nurse	Storekeeper and Assistant Supervisor of Boys.
A. Morrice	Shoemaker and Instructor in Shoemaking.
M. W. Parks	Carpenter and Instructor in Carpentry.
J. N. Boyd	Baker and Instructor in Baking.
J. Spanner	Printer and Instructor in Printing.

LITERARY EXAMINER'S REPORT

To the Honourable R. H. Grant, M.P.P.,
Minister of Education for Ontario.

Sir:

I have the honour to present herewith my report on the Ontario School for the Deaf, for the current year.

In accordance with your instructions, I have made a careful inspection of the Literary Classes at the Ontario School for the Deaf, situated at Belleville, the inspection extending over seventeen days. From the fact that the appointment was made somewhat earlier than usual, I was able to so arrange my other duties that I was able to inspect the school twice, with an interval of two months between the inspections. This had two advantages. Being in an earlier part of the term, I saw the actual work of teaching new matter, whereas when the work of inspection comes late in the term, the work is largely review and drill. The interval between the inspections gave me an opportunity of judging progress as I was able to see what had been accomplished in a definite period. I would strongly recommend that, whoever is entrusted with this important work in the future, the appointment be made early in the year, for the two inspections have an advantage that will be manifest to you. It brings conditions more nearly in harmony with the Public Schools. If one short inspection could be made before Christmas, it would be better still.

This school now enrolls in the Literary Classes 279 pupils, in charge of 24 regular teachers and one supply teacher. There are three subdivisions or departments in the school, namely, the Manual Department, the Senior Oral Department and the Junior Oral Department. In the Manual Department there are 28 pupils with 3 teachers, Miss Linn, Mrs. Balis and Miss James. Miss Linn has a general supervision of the department. In the Senior Oral Department, there are 54 pupils in 5 classes, the teachers being Mr. Campbell, Mr. Stewart, Miss Deannard, Mr. VanAllen, and Miss Sunter. Mr. Campbell is supervisor of this department. The Junior Oral Department is by much the largest department of the school and is under the supervision of Miss C. Ford. There are 197 pupils in this department in 16 classes, the teachers being Miss Carroll, Mr. Lally, Miss Rierdon, Miss Curry, Miss Panter, Miss Stirk, Miss Brown, Miss Bradley, Miss Handley, Miss Nurse, Miss Wilson, Miss Scott, Miss Malcolm, Miss Haugh and Miss Dutton. At Christmas the teaching staff was interrupted by the resignation of Miss I. L. Palen, who resigned to accept a position in the city of Toronto. One of the teachers from the Junior Oral Department, Mr. VanAllen, was placed in charge of her class, and Miss Ford, who is generally fully employed in supervision and training of the new teachers on the staff, took charge of a regular class. This has seriously interrupted the training of the new teachers, but recently Miss Hood, an experienced teacher of the deaf, has joined the staff, and is relieving the teachers-in-training, who are being given as much help as possible by Miss Ford. This has entailed a great deal of extra work on Miss Ford, and at the same time the new members of the staff have not had the usual amount of valuable assistance and instruction from Miss Ford, but they were evidently expert public school teachers before coming here, and have done remarkably good work. I need not say that Miss Ford is an outstanding figure among the expert teachers of the deaf on this continent and probably of the world.

In addition to the Literary Classes referred to above, there are 55 girls being instructed in Cookery by the teacher of Domestic Science; 69 girls are instructed in Sewing; 94 girls are instructed in other departments of Household Science under the term "Practice Work"; 22 boys are being instructed in Manual Training; while in the Industrial Department, 15 boys are taking instruction in the carpenter shop; 16 in the printing office; 14 in the shoe shop; and one in the bakeshop. The larger boys also are instructed in farm work. From the American census which shows that about 37 per cent. of the deaf take up agriculture as a means of livelihood, the importance of this training in agriculture is evident. If they could have more of it, it would be an advantage.

My first inspection was made early in January, when I carefully observed the methods of teaching and the condition of the several classes, and after a period of about two months I again visited the several classes, noting the progress made in the interval. I am pleased to report to you that I find the staff of teachers efficient instructors of the deaf, and that the pupils are proficient in their work as laid down in their course of study, and that the progress is satisfactory. The deportment of these children is in my judgment exemplary.

The course of study embraces practically the four forms of the Public School with the exception of Art, and the introduction of this subject is under consideration. Should the question be raised as to why this or any other subject should not be included, the answer is, that everything cannot be taught in the time at the disposal of the pupils and teachers, and as the business of the school is to develop the child and give him a command of language that will fit him for life, and put him in a position to continue his education, after he leaves school, should he so desire, the course is designed to give the maximum of development and language. Whether we consider the *training* view, or the *practical* view of education as the more important, neither should be adopted exclusively, and certainly a distinction should not be made in early education. In fact, they cannot be separated, and this staff are trying to so harmonize them that while the essentially human training has its proper share of attention, all that will fit the child for his future work is not neglected wherever it is feasible to aid its cultivation. The education provided by the school, lasting but a few years at most, cannot carry on the work of education to perfection; it can only lead the individual some distance on the road, and give him the power and the disposition to continue by himself after the guidance and encouragement of the teacher are withdrawn. This is the object to which this school aspires.

There are two main methods of teaching the deaf, namely, (1) The manual method, which depends on signs, writing and printing, pictures and the manual alphabet. The object in view in this method is the mental development of the child, and facility in the use of written language. (2) The oral method, which employs lip-reading, writing and printing, pictures, natural signs, but excludes finger-spelling and theoretical signs. In this method, the aim is facility in speech and in reading the speech of others as it appears on the lips, as well as general development and the use of written language. The phonetic value of the letters are taught, not their names. In the manual method it is claimed that signs are used to awaken the child's thoughts; finger-spelling and writing to express these thoughts in the vernacular; in other words, the latter are used to express English, the former to explain English. In the oral method articulation and lip-reading are chiefly used. There is a third so-called method, the combined method, which, as its name implies, is a combination of the other two. This method rejects no means of teaching. It practically implies the use of manual methods for some and oral methods for others. The manual method has been largely supplanted by other methods. The combined method is used largely in institutions in the United States, but not to any extent in day schools. In this school, the manual department is taught by manual methods of course, and the oral departments by a method patterned after the Northampton School, which is an oral school. In a school with a manual department, it may readily be seen that a "pure oral" method would not be feasible. I have no intention of entering into a discussion on the merits of the several methods, for there are strong advocates of all three methods. I will, however, say that the methods used here are bringing results, and this is the test of a good method.

I was particularly interested, at this inspection, with the work in "visible speech." Visible speech is a method of representing speech sounds by means of diagrams depicting the shape of the mouth parts in uttering them. There are twenty diagrams or signs, by the use of which deaf mutes have been taught to pronounce difficult words in an unknown language. The system was first made known by A. M. Bell in 1867 in his book, "Visible Speech." Instruction has been given here for years using extended drawings of the mouth-parts, but this is the first time I have noticed definite classes in this system. Since September, Miss Deannard, who is a most efficient teacher of the deaf, has been giving instruction in this system to the three senior classes, having in view the correction and perfecting of the speech of these older pupils. I am very pleased to testify to the marked improvement that I saw. You will recollect that when, with Mrs. Grant and the deputation from the Legislature, you visited this school last autumn you were shown some of this work. I believe that you were favourably impressed with what you saw. I can say that you would see much better work now.

The new school building is nearing completion, and it is a credit to the Province of Ontario. While money has not been wasted on extravagances neither has it been withheld in such a way as to impair the structure for the purpose for which it is intended. It is a beautiful school, well designed and well finished. Pupils and staff are anxiously looking forward to the day, in the near future, when they will begin classes under conditions that must inspire the best efforts of both, for while the building does not make the school, it goes a long way towards creating the spirit that does make a school.

I must apologize for extending this report to this unexpected length, but it seemed unavoidable. And, in conclusion, let me express my deep appreciation of your confidence in entrusting me with this work for this, the fifteenth time.

I have the honour to be,
Sir,
Your obedient servant,
H. J. Clarke,
Inspector of Public Schools,
Belleville, March 24th, 1923. *South Hastings, Belleville and Trenton.*

PHYSICIAN'S REPORT

To the Honourable R. H. Grant, M.P.P.,
Minister of Education for Ontario.

Sir:

I have the honour to present my report on the health of the Ontario School for the Deaf for the session 1921-22.

An inspection of the school in the early days of the session found a number of children requiring medical attention, due to general debility, caries of teeth, skin infections, eye troubles, impaired vision, and others constitutionally feeble. Under medical attention, these pupils were soon able for school duties.

In November we had an outbreak of diphtheria, six cases in all. They were promptly quarantined and all available means used to prevent any spreading of the disease.

In March we had an epidemic of whooping cough, 25 cases in all. It continued on until May. Some were severe and complicated cases, but all recovered and were able to return home at the close of school.

Other sickness which required special attention was pneumonia, 5; chorea, 3; heart disease, 3; enlarged tonsils and adenoids, 10; tonsillitis, 16; rhinitis, 3; jaundice, 5; fractured arm, 1; disease of the bone, 1; typhoid fever, 1; severe wound of forearm severing tendons at wrist, 1.

Besides the cases herein reported we had about the average of general ailments, such as gastro-intestinal disorders, la grippe, colds, minor injuries, etc., etc.

Among the staff there has been some sickness, but not more than the average, the institution nurse being very ill for some considerable time.

The health of the school at close of the session was very satisfactory.

I have the honour to be,
Sir,
Your obedient servant,
Belleville, November 1st, 1922. W. W. Boyce.

List of Pupils in the Ontario School for the Deaf for the Year Ending, October 31, 1922

County, etc	P.O. Address
Algoma District:	
Donovan, Ellen	Sault Ste. Marie.
Webb, Kathleen	Dayton.
Alberta, Province of:	
Girduckis, Helen	Burfield.
Mandzink, Anton	Smoky Lake.
Vance, Gladys	Wellsdale.
Brant:	
Black, Nellie	Brantford.
Maw, Helen	Brantford.
Moors, Beatrice	St. George.
Moors, Grace	St. George.
Reid, James	Brantford.
Tate, Mary	Brantford.
Bruce:	
Cronkwright, Clara	Chesley.
Crowe, Robert	Dobbinton.
McKee, Maud	Pinkerton.
Rourke, Melville	Tara.
Thompson, Robert	Lucknow.
Carleton:	
Brigham, Murray	Ottawa.
Carriere, Joseph	Ottawa.
Cecchini, James	Ottawa.
Christy, James	Blackburn.
Delinelle, Lauretta	Ottawa.
Fagan, Frances	Ottawa.
Garvin, Jean	Ottawa.
Little, Sadie	Ottawa.
Pittaway, Audrey	Ottawa.
Quinn, Carman	Ottawa.
Radmore, Frank	Ottawa.
Simpson, Ian	Ottawa.
Towns, Dora	Ottawa.
Dundas:	
Dixon, Fred	Winchester.
Dufferin:	
Boyle, Lizzie	Waldemar.
Boyle, John	Waldemar.
Smith, Gordon	Riverview.
Sherritt, Susie	Corbetton.
Essex:	
Andrews, Kenneth	Windsor.
Fairful, Maisie	Leamington.
Agopsouriez, Helena	Windsor.
Agopsouriez, Bogdan	Windsor.
Bostnari, George	Ford.
Greenwood, Wm	Windsor.
Kowalewich, Steve	Windsor.
Krick, Willie	Leamington.
Krick, Norman	Leamington.
Mazzali, Emma	Windsor.
Maitre, Margaret	Sandwich.
Maitre, Loretta	Sandwich.
Maitre, Evelyn	Sandwich.
Maitre, Donat	Sandwich.
O'Connor, Cleon	Windsor.
Sanders, Alma	Windsor.
Standish, Dorothy	Essex.
Suddy, Fred	Windsor.

County, etc.	P.O. Address
Elgin:	
Eames, Carl	St. Thomas.
Gwalter, Kathleen	St. Thomas.
Fawcett, George	West Lorne.
Lawrence, Jean	St. Thomas.
Stoner, Irene	St. Thomas.
Wonnacott, Nellie	Aylmer.
Whalls, Maxwell	Fingal.
Frontenac:	
Godfrey, Delpha	Mountain Grove.
Smith, Marie	Kingston.
Wood, Alonzo	Cataraqui.
Grey:	
Grimoldby, Clifford	Owen Sound.
Henderson, Harvey	Owen Sound.
Kinsman, Mary	Proton.
Snell, Ruby	Durham.
Haldimand:	
Foster, Dorothy	Dunnville.
Foster, Sylvia	Dunnville.
Foster, Irene	Dunnville.
Foster, Kurven	Dunnville.
Laform, John	Hagersville.
Maw, Harris	Caledonia.
Halton:	
Cust, Morley	Milton.
Patterson, Lewis	Milton.
Hastings:	
Coles, Clifford	Belleville.
Coles, Irene	Belleville.
Bowers, Clarence	Foxboro.
Fox, Arnold	Moira.
Guy, Lawrence	Belleville.
Ingram, Nellie	Faraday.
Liddle, Pearl	Shannonville.
Lafreniere, Edith	Otter Creek.
Partrick, Margaret	Trenton.
Roberts, John H.	Belleville.
Robbins, Cecil	Belleville.
Shaw, Vera	Trenton.
Schwager, Albert	Thomasburg.
Scott, Bruce	Belleville.
Waldron, Arthur	Trenton.
Whalen, Mary A.	Point Anne.
Yerrow, Bruce	Belleville.
Huron:	
Bell, Elwood	Goderich.
Laporte, Dennis	Zurich.
Kenora District:	
McMillan, Hugh	Kenora.
Kent:	
Antaya, Roy	Chatham.
Brewer, Blanche	Bothwell.
Dubois, Madeline	Wallaceburg.
DeShetler, Franklin	Paincourt.
Goodison, Ada	Coatsworth.
Healey, Dorothy	Wheatley.
Julien, Joseph	Wheatley.
Roberts, John E.	Thamesville.
Rechie, Napoleon	Chatham.

List of Pupils in the Ontario School for the Deaf (Continued)

County, etc.	P.O. Address
Lanark:	
Dart, Grace	Smith's Falls.
Rathwell, Charles	Perth.
Wenzel, Doris	Lanark.
Leeds:	
Bishop, Ethel	Gananoque.
Cloutier, Edmour	Brockville.
Lambton:	
Batty, Blanche	Sarnia.
Batty, June	Sarnia.
Johnston, Olive	Sarnia.
Jackson, Myrel	Oil Springs.
Jackson, Leone	Oil Springs.
Henderson, Gordon	Sarnia.
McMillen, Douglas	Sarnia.
Pembleton, Anna	Forest.
Volk, Mildred	Forest.
Kemper, Stewart	Sarnia.
Lincoln:	
Harrison, Jack	Grimsby.
McMillan, Duncan	St. Catharines.
Thornton, Lloyd	Vineland.
Watson, Bert	St. Catharines.
Middlesex:	
Bosley, Wilfred	London.
Bradshaw, Carl	London.
Eager, Mary	London.
Garside, Florence	London.
Hodgins, Albert	London.
Hutchison, Wm	London.
Smith, Wesley	London.
Summers, Moses	Muncey.
Nottage, Audrey	London.
Muskoka District:	
Franklin, Elmer	Foote's Bay.
Nipissing District:	
Anderson, Julia	North Bay.
Hanna, Abraham	North Bay.
Jassan, Nichola	Coniston.
Trottier, Antonia	North Bay.
Yandeau, Garfield	Madawaska.
Norfolk:	
Davis, Florence	Simcoe.
Northumberland:	
Parker, Mary	Baltimore.
LaBrash, Francis	Cobourg.
Mulvaney, Leo	Cobourg.
Tait, William	Port Hope.
Smith, Isabella	Cobourg.
Oxford:	
Groves, Russell	Ingersoll.
Miller, Willie	Tavistock.
Wagester, Walter	Tavistock.
Wilson, Arnold	Princeton.
Youngs, Cylene	Embro.
Ontario:	
Ballagh, Edith	Whitby.
Gura, Nicky	Oshawa.
Ontario.—Continued	
Luke, Elsie	Brooklin.
Scott, Walter	Sunderland.
Toyne, Nellie	Pickering.
Wilton, Leslie	Claremont.
Prince Edward:	
Harris, Mary	Picton.
Perth:	
Eickemeyer, Norman	Monkton.
Parry Sound:	
Bagby, Florence	Burk's Falls.
Hurtubise, Archie	Callander.
Rayburn, Winnifred	Powassan.
Windsor, George	Callander.
Young, Edna	Trout Creek.
Peel:	
Davey, John	Brampton.
Elliott, Madeline	Bolton.
Peterborough:	
Farrance, James	Peterborough.
Gerow, Estella	Peterborough.
Gerow, Albert	Peterborough.
Meyett, Charles	Peterborough.
Meyett, Frances	Peterborough.
McMillan, Ean	Havelock.
Richardson, Herbert	Keene.
Prescott:	
Gwynne, Stuart	Hawkesbury.
Quebec, Province of:	
Joyce, Andrew	Quyon.
Pye, Rodger	Windsor.
Renfrew:	
Coules, Michael	Renfrew.
Dick, Alton	Renfrew.
Hunter, George	Renfrew.
Hunter, Raymond	Renfrew.
Hunter, Clifford	Renfrew.
Jette, Lemay	Pembroke.
Larocque, Cyril	Calabogie.
Schneider, Milton	Pembroke.
Scully, Mamie	Ashdad.
Sleeth, Gordon	Douglas.
Rainy River District:	
Olson, Alma	Shenston.
Simpson, Norine	Rainy River.
Simpson, Zona	Rainy River.
Love, Jack	Barwick.
Simcoe:	
Bowen, Esther	Cookstown.
Bowen, Margaret	Cookstown.
Bowen, Roy	Cookstown.
Green, Jean	Orillia.
Rivet, Douglas	Midland.
Powell, Harold	Lisle.
Sloan, Harry	Lefroy.
Sloan, Wallace	Lefroy.
Tudhope, Catherine	Orillia.
Wheat, Dorothy	Midland.
Wright, Elsie	Midland.

List of Pupils in the Ontario School for the Deaf (Continued)

County, etc.	P.O. Address
Stormont:	
Benedict, Rose	Cornwall.
Campbell, Mary	Avonmore.
Ingle. Agnes	Cornwall.
Latour, Rene	Cornwall.
Boileau, Gervais	Cornwall.
Sudbury District:	
Bealer, Frank	Copper Cliff
Legrandeur, Victor	St. Charles.
Martel, Lorenzo	Sudbury.
Toppazzini, Albert	Copper Cliff.
Thunder Bay District:	
Thompson, Jean	Fort William.
Timiskaming District:	
Audet, Alcide	Cobalt.
Brent, Margaret	Timmins.
Leo, Rosa	Cobalt.
Morton, William	Cobalt.
Curtis, William	Timmins.
Whalen, Mary	New Liskeard.
Victoria:	
Burke, Thelma	Lindsay.
Brandon, William	Kinmount.
McNish, Helen	Kirkfield.
Patrick, Nellie	Lindsay.
Wellington:	
Chambers, Pearl	Rockwood
Johnston, Viola	Drayton.
Borth, Carl	Moorefield.
Wentworth:	
Armes, Dennis	Hamilton.
Bluestein, Shina	Hamilton.
Gorman, Walter	Hamilton.
Bartkiewicz, Helen	Hamilton.
Dennis, Harry	Hamilton
Hacking, Willie	Hamilton.
Holt, Nathan	Hamilton.
Moreland, Jack	Hamilton.
Murtell, Cecil	Hamilton.
McShane, Arthur	Hamilton.
Maule, Rona	Hamilton.
Peel, Douglas	Hamilton.
Webb, Gordon	Hamilton.
Welland:	
Anthony, Jessie	Bridgeburg.
Hulett, Virginia	Niagara Falls
Tryon, William	Welland.
Waterloo:	
Durrant, Evelyn	Breslau.
Gartung, Gertrude	Kitchener.
Graf, Emma	Kitchener.
Hirons, George	Waterloo.
Jantzi, Amanda	St. Agatha.
Klinkman, Mary	New Hamburg.
Kube, Laura	Kitchener.
Wagler, Elmina	Baden.
York:	
Angus, Jack	Toronto.
Abrams, Willie	Toronto.
Blais, Gladys	Toronto.
Baillie, Dorothy	Toronto.
Brooks, James	Toronto.
York.—Continued.	
Breeze, Frank	Toronto.
Buchan, Caroline	Toronto.
Bennett, Charles	Toronto.
Brown, Leonard	Toronto.
Buckle, Oscar	Toronto.
Breen, Doris	Long Branch.
Burlie, Willie	Toronto.
Bellamy, Edith	Toronto.
Carman, Phillip	Toronto.
Clark, Gladys	Toronto.
Daniels, Walter	Toronto.
Davey, Charles	Toronto.
Dine, George	Toronto.
Ducker, Freida	Mount Dennis.
Deyell, Bob	Toronto.
Davis, Thelma	Toronto.
Egginton, Maud	Toronto.
Egginton, Gwendoline	Toronto.
Egginton, Victor	Toronto.
Ford, Raymond	Humber Bay.
Freedman, Sarah	Toronto.
Goulding, Tom	Toronto.
Goldman, Joe	Toronto.
Glasner, Morris	Toronto.
Glennie, Alexander	Toronto.
Graham, Dorothy	Toronto.
Herman, Jack	Toronto.
Gale, Mary	Swansea.
Kendall, Harold	Toronto.
Kelcey, Lillian	Toronto.
Lee, Charlie	Toronto.
Laforte, Augustine	Toronto.
Laforte, Isabella	Toronto.
Laughlin, Nellie	Toronto.
Lawrence, Jack	Toronto.
Lockett, Freda	Lambton Mills.
Maiola, Lorenzo	Toronto.
Malinsky, Rosie	Toronto.
Malinsky, Louis	Toronto.
Morton, Ruth	Toronto.
McGovern, William	Toronto.
McGovern, Elizabeth	Toronto
McCallum, Duncan	King.
Natale, May	Toronto.
Osborne, Iona	Sutton West.
Petch, Lera	Millikens.
Pack, Sydney	Mount Dennis.
Rank, Joffre	Toronto.
Roach, Lawrence	Toronto.
Robinson, Charles	Toronto.
Roberts, Florence	Toronto.
Richardson, Gordon	Toronto.
Stothers, Alva	Toronto.
Sole, Erna	Toronto.
Smith, Norma	Toronto.
Storks, Doreen	Toronto.
Scuse, Irvine	Toronto.
Strasser, Anna	Oak Ridges.
Scott, Willie	Toronto.
Miller, Abie	Toronto.
Matthews, James	Toronto.
Mondel, Morris	Toronto.
Reid, Elizabeth	Toronto.
Tate, James	Toronto.
Tweedie, Lorena	Toronto.
Tettman, Gladys	Toronto.
Thomson, Daphne	Toronto.
Wall, Nettie	Toronto.
Wall, Sydney	Toronto.
Wraight, Lucy	Toronto

Number of Pupils in Attendance each Official Year since the Opening of the School

Period.	Male	Female	Total
From October 27th, 1870, to September 30th, 1871	64	36	100
“ “ 1st, 1871, “ 1872	97	52	149
“ “ 1872, “ 1873	130	63	193
“ “ 1873, “ 1874	145	76	221
“ “ 1874, “ 1875	155	83	238
“ “ 1875, “ 1876	160	96	256
“ “ 1876, “ 1877	167	104	271
“ “ 1877, “ 1878	166	111	277
“ “ 1878, “ 1879	164	105	269
“ “ 1879, “ 1880	162	119	281
“ “ 1880, “ 1881	164	132	296
“ “ 1881, “ 1882	165	138	303
“ “ 1882, “ 1883	158	135	293
“ “ 1883, “ 1884	156	130	286
“ “ 1884, “ 1885	168	116	284
“ “ 1885, “ 1886	161	112	273
“ “ 1886, “ 1887	151	113	264
“ “ 1887, “ 1888	156	109	265
“ “ 1888, “ 1889	153	121	274
“ “ 1889, “ 1890	159	132	291
“ “ 1890, “ 1891	166	130	296
“ “ 1891, “ 1892	158	127	285
“ “ 1892, “ 1893	162	136	298
“ “ 1893, “ 1894	158	137	295
“ “ 1894, “ 1895	160	135	295
“ “ 1895, “ 1896	173	137	310
“ “ 1896, “ 1897	164	128	292
“ “ 1897, “ 1898	167	138	305
“ “ 1898, “ 1899	161	132	293
“ “ 1899, “ 1900	153	130	283
“ “ 1900, “ 1901	157	143	300
“ “ 1901, “ 1902	147	141	288
“ “ 1902, “ 1903	140	143	283
“ “ 1903, “ 1904	137	134	271
“ “ 1904, “ 1905	130	138	268
“ “ 1905, “ 1906	116	143	259
“ “ 1906, “ 1907	126	145	271
“ “ 1907, “ 1908	133	143	276
“ “ 1908, to October 31st, 1909	130	151	281
“ November 1st, 1909, “ 1910	143	149	292
“ “ 1910, “ 1911	138	143	281
“ “ 1911, “ 1912	135	126	261
“ “ 1912, “ 1913	139	129	268
“ “ 1913, “ 1914	152	144	296
“ “ 1914, “ 1915	156	160	316
“ “ 1915, “ 1916	158	152	310
“ “ 1916, “ 1917	145	148	293
“ “ 1917, “ 1918	143	147	290
“ “ 1918, “ 1919	137	140	277
“ “ 1919, “ 1920	143	134	277
“ “ 1920, “ 1921	153	147	300
“ “ 1921, “ 1922	173	147	320

Cost per Pupil, School for the Deaf, Years Ending October 31st, 1921 and 1922

Heading of Expenditure	Total expenditure year ending October 31st, 1921	Yearly cost per pupil October 31st, 1921	Weekly cost per pupil October 31st, 1921	Total expenditure year ending October 31st, 1922	Yearly cost per pupil October 31st, 1922	Weekly cost per pupil October 31st, 1922
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Medical department	278 85	1 13	02	399 60	1 48	03
General groceries	22,621 24	92 33	1 77	16,275 09	60 28	1 16
Bedding and clothing	1,563 79	6 38	12	1,001 82	3 71	07
Fuel, light and power	29,720 71	121 31	2 33	18,973 55	70 27	1 35
Laundry, soap and cleaning	1,497 66	6 11	11	1,625 55	6 02	12
Furniture and furnishings	1,222 10	4 99	09	628 32	2 33	04
Farm, feed, etc	454 17	1 85	03	666 61	2 47	04
Repairs and alterations	1,811 97	7 40	14	773 13	2 86	05
Advertising, stationery and postage	825 98	3 36	06	895 66	3 32	06
Books and apparatus	1,656 71	6 78	13	1,580 92	5 86	11
Musical instruments and office equipment	219 05	90	01	3 16	01	00
Sewage works	306 35	1 25	02	108 00	40	01
Water supply	900 00	3 67	07	1,141 67	4 23	08
Travelling expenses	558 06	2 28	04	491 09	1 82	04
Lumber for seats, etc	266 65	1 09	02	165 48	61	02
Lumber, hardware, etc	999 95	4 08	08	947 70	3 51	06
Supplies for boiler room	176 63	72	01	289 38	1 07	02
Classroom supplies	498 12	2 03	04	193 04	72	02
Transportation and expenses, indigent pupils	19 10	08	00	108 65	40	01
Excess railway fares	146 05	60	01	86 05	32	01
Miscellaneous	1,747 25	7 13	13	1,478 77	5 47	11
Salaries and wages	69,318 52	282 93	5 44	74,842 82	277 19	5 33
Wages extra painters, carpenters, etc	978 00	3 99	07	....	....	....
Total expenditure	137,786 91	562 39	10 74	122,676 06	454 35	8 74
Refunded to Provincial Treasurer for perquisites, paying pupils, etc.	11,171 44	45 59	19	11,070 97	41 00	80
Net expenditure	126,615 47	516 79	10 58	111,605 09	413 35	7 94

Average number of pupils, 1920-21, 245.
Annual cost per pupil, $516.79.
Weekly cost per pupil, $10.58.

Average number of pupils, 1921-22, 270.
Annual cost per pupil, $413.35.
Weekly cost per pupil, $7.94.

Certified correct,

J. W. Pearce,
Bursar.

UNIVERSITY OF TORONTO

REPORT OF THE

BOARD OF GOVERNORS

FOR THE

YEAR ENDING 30th JUNE

1922

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

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1923

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UNIVERSITY OF TORONTO

REPORT OF THE

BOARD OF GOVERNORS

For the year ending 30th June, 1922

To His Honour the Lieutenant-Governor in Council:

The Governors of the University of Toronto have the honour to submit their sixteenth annual report, with which is incorporated the report of the President upon the academic work of the University and its Colleges for the Session 1921-22, and the customary departmental reports. They also append the usual detailed statement of the receipts and expenditures of the Board for the financial year terminating on 30th June, 1922, which has been audited in accordance with the provisions of the University Act.

The erection of the new Anatomical building was begun in the summer of 1921 and the work proceeded rapidly, there having been expended thereon at 30th June $259,382 out of the grant of $500,000 voted by the Legislature for the purpose and paid over to the Board. While not ready for occupation by the opening of the ensuing Session, the building was partially in use later on in the term.

During the year, also, the plans and specifications for the addition to the Ontario College of Education buildings were brought to a head, and later in the summer tenders were let for the construction which was at once begun. The cost of this addition, will, it is expected, be about $365,000, $100,000 on account of which has already been voted by the Legislature and was received after the close of the financial year.

There was also received subsequent to the closing of the books the vote of $100,000 for the purchase of the property Number 79 St. George Street and the erection thereon of the building for the University College Women's Union. This work was likewise advanced as rapidly as possible, and the building will be ready for use by the New Year.

The plans and specifications for the proposed Administration building and for the completion of Convocation Hall in connection therewith, are now under consideration by the Board. The cost of this will be defrayed from the grant of $400,000 for building purposes.

The house Number 86 Queen's Park has been purchased as a residence for the President, the property at 69 St. George Street, formerly occupied by him, having been taken over for use as additional accommodation for the Department of Political Science.

The gross revenue for the year was $1,054,376. The deduction of interest written to Scholarship and other Trust Funds, $19,831, left a net revenue of $1,034,545. This figure, while somewhat greater than had been anticipated at the beginning of the year, was less by $34,500 than that of the preceding year, due principally to a falling off in fees to the extent of some $17,000, and to lessened receipts of the Central Power Plant owing to lower operating costs. In addition there was credited to the accounts of the year the special Legislative grant of $880,000 voted for 1921-22 (although not all received by 30th June) making total available receipts of $1,914,545.

The expenditure under the appropriations for salaries and maintenance was $1,805,545 as against $1,937,516 in 1920-21. The accounts of the previous year, however, included the salaries and maintenance of the Ontario College of Education to the amount of $132,267, the similar items for which in the year under review were provided from a separate vote and do not form part of the above total. The comparison is therefore $1,805,545 in 1921-22 with $1,805,249 in 1920-21 and shows practically no increase whatever on the expenditure as a whole. The Board consider this to be a remarkable proof of the economy that has been exercised in every department of the University.

Without the special grant of $880,000 the excess of expenditure over receipts totals $771,000 (770,999.79). With the addition of the special grant there results a credit balance of $109,000 which the Board are carrying forward together with the small balance of $2,219 reported last year, subject to the approval of your Honour-in-Council, as a Contingent Fund to meet future needs.

All of which is respectfully submitted.

B. E. Walker,

Chairman.

Toronto, 30th November, 1922.

PRESIDENT'S REPORT

1921-22.

To the Governors of the University of Toronto:

GENTLEMEN:—

I beg to submit the following report on the academic work of the University and University College during the twelve months ended June 30th, 1922.

The total staff of the University and University College numbered 567, of whom 69 were professors, 53 associate-professors, 44 assistant-professors, 64 lecturers and associates (in medicine) and instructors in the College of Education, 337 demonstrators, fellows and instructors with sessional appointments. They were distributed as follows:—

	Professors.	Associate Professors.	Assistant Professors.	Associates.	Lecturers.	Other Sessional Appointments.	Director.	Director Field Work.	Assistant Instructors.
University (Faculty of Arts)	24	14	17	.	21	71	.	.	.
University College	13	7	7	.	6	7	.	.	.
Faculty of Medicine	17	17	7	10	*9	155	.	.	.
Faculty of Applied Science	10	11	6	.	x11	**47	.	.	.
Faculty of Household Science	.	2	.	.	3	6	.	.	.
Faculty of Forestry	1	2	.	.	.	.	.	.	.
Faculty of Music	.	.	.	.	4	.	.	.	.
Social Service Courses	1	.	.	.	.	13	.	1	.
Public Health Nursing	.	.	.	.	.	22	1	1	.
Ontario College of Education	3	.	7	.	4	.	.	.	14

*One also in University; 2 also in Ontario College of Education.
xOne also in University.
**One also in Medicine.

In Victoria College there were:

Professors	14
Associate Professors	4
Lecturers	6
Special Instructor	1

In Trinity College there were:

Professors	8
Lecturers	11

In St. Michael's College there were:

Professors	12
Lecturers	8

The following professors retired from active service at the end of the session:

Dr. A. P. Coleman, F.R.S., Dean of the Faculty of Arts and Professor of Geology; Dr. D. J. Gibb Wishart, Professor of Oto-Laryngology; Mr. D. R. Keys, Professor of Anglo-Saxon: Dr. J. A. Craig, Professor of Oriental Languages and Dr. A. J. Bell, Professor of Comparative Philology.

Dr. Coleman is one of the best known geologists on this Continent and, after long and distinguished services as professor of Geology and for three years as Dean of the Faculty of Arts, he takes with him into his retirement the affection of the staff of the University.

Dr. Wishart devoted himself very effectively for many years to the development of his department, and filled an important place in the administration of the Faculty of Medicine, in which he will be remembered with high appreciation.

Professor Keys is one of the best known figures of the university staff. His kindliness won for him universal regard, and the unusual breadth of his acquaintance with languages and the variety of his interests gave him a unique position in University College.

The scholarship of Professor Bell made him an ornament of the University. Though the major part of his work was done in Victoria College, where he was professor of Latin, he filled the chair of Comparative Philology in the University with much distinction for many years.

I regret to announce the death of Professor George A. Bingham, which took place in March, 1922. He was one of the best surgeons on the staff and no one was held in greater affection by his colleagues and students in the Faculty of Medicine.

Professor J. J. Mackenzie and Professor H. J. Crawford died, one on August 2nd and the other on August 3rd, 1922. It is therefore appropriate that I should refer to them in this report. Both endured long illness and Professor Crawford suffered much. Professor Mackenzie held the chair of Pathology and Bacteriology for twenty-two years. His high scientific attainment, great devotion to his students and fine character gave him a large place in the University. He is deeply mourned. The chief duties of Professor Crawford were attached to his position as Headmaster of the University Schools, of which he was the first occupant. He had an excellent record as a student in the University, was an unusually effective teacher, and won the warm esteem of his colleagues and of the boys of the school.

Leave of absence was granted to the following on account of ill health: J. J. Mackenzie, B.A., M.B., Professor of Pathology and Bacteriology; T. R. Rosebrugh, M.A., Professor of Electrical Engineering; H. J. Crawford, B.A., Professor of Classics, Ontario College of Education.

The following new appointments and promotions were made during the year:

In the Faculty of Arts—Appointments:—Charles Ryle Fay, M.A., Cantab., D.Sc., London, professor of History of Economics; James Winfred Bridges, B.A., McGill, A.M., Ph.D., Harvard, assistant-professor of Psychology; John Gordon Andison, B.A., Man., A.M., Columbia, lecturer in French; Miss Katherine May Banham, B.Sc., Manchester, lecturer in Psychology; Winthrop Bell, M.A., Harvard, lecturer in Philosophy; J. Bartlet Brebner, B.A., Oxon., lecturer in History; Miss Gladys Ingleson Wookey, M.A., lecturer in English; Humphrey Hume Wrong, B.A., Oxon., lecturer in History; and Joseph Pijoan, special lecturer in Italian and Spanish.

Promotions:—Robert Morrison MacIver, B.A., Oxon., M.A., D.Phil., Edin., from an associate-professorship to a professorship in Political Economy; Charles Norris Cochrane, B.A., Oxon., from an assistant-professorship to an associate-professorship in Ancient History; William Jackman, M.A., from an assistant-professorship to an associate-professorship in Political Economy; Gilbert Edward Jackson, B.A., Cantab., from an assistant-professorship to an associate-professorship in Political Economy; Francois Charles Archile Jeanneret, B.A. from an assistant-professorship to an associate-professorship in French; Marcel Moraud, L. ès L., Agrégé de l'Université, Paris, from an assistant-professorship to an associate-professorship in French; John Satterly, M.A., Cantab., D.Sc., London, from an assistant-professorship to an associate-professorship in Physics; William Stanley Funnell, M.A., from a lectureship to an assistant-professorship in Chemistry; Herbert Sutherland McKellar, B.A., from a lectureship to an assistant-professorship in French; Ellis Thomson, B.A.Sc., from a lectureship to an assistant-professorship in Mineralogy.

In the Faculty of Medicine—Appointments:—James Bertram Collip, Ph.D., assistant-professor of Pathological Chemistry; Frederick Grant Banting, M.B., special lecturer in Pharmacology; Samuel Johnson, M.A., M.D., C.M., lecturer in Anæsthesia; William Magner, M.D., D.P.H., lecturer in Pathology and Bacteriology; William Lipsett Robinson, B.A., McMaster, M.B., lecturer in Surgical Pathology and Curator of the Pathological Museum.

Promotions:—Herbert Alexander Bruce, M.D., from an associate-professorship to a professorship in Clinical Surgery; Clarence Leslie Starr, M.B., M.D., Bellevue, N.Y., from an associate-professorship to a professorship in Surgery; Donald Thomas Fraser, B.A., M.B., D.P.H., from a lectureship to an assistant-professorship in Hygiene and Preventive Medicine.

In the Faculty of Applied Science—Appointments:—Edgar Alfred Allcut, M.Sc., Birmingham, associate-professor of Thermodynamics; Owen William Ellis, M.Sc., lecturer in Metallurgy; Claude Delmont Locke, B.S., M.A., lecturer in Chemical Engineering; Ross Taylor, B.A.Sc., lecturer in Hydraulics.

Promotions:—Albert Thomas Laing, B.A.Sc., from an assistant-professorship to an associate-professorship of Highways; James Thomas King, B.A.Sc., from a lectureship to an assistant-professorship in Mining Engineering; William James Smither, B.A.Sc., from a lectureship to an assistant-professorship in Drawing; Albert Russell Zimmer, B.A.Sc., from a lectureship to an assistant-professorship in Electrical Engineering.

In the Faculty of Household Science—Appointments:—Miss Blanche Ronne Harris, B.Sc., M.A., Columbia, lecturer; Mrs. F. J. Nethercott, B. A., lecturer.

In the Ontario College of Education—Appointments:—John Fair Van Every, B.A., instructor in University Schools.

Health Service—Appointments:—Miss Edith Gordon, B.A., M.B., D.P.H., Medical Adviser for Women Students; George D. Porter, M.B., Special Lecturer on Health Education and Medical Adviser for Men Students.

The total number of students registered in the University in 1921-1922 was 5,349, or, apart from occasionals in Social Service, 5,100, distributed as follows:—

				Men.	Women.	Total.
Faculty of Arts				1,342	1,112	2,454
University of Toronto	190	124	314			
University College	672	579	1,251			
Victoria College	296	246	342			
Trinity College	75	61	136			
St. Michael's College	124	109	233			
Registered twice	15	7	22			
Graduate courses				141	57	198
Faculty of Medicine				997	75	1,072
Faculty of Applied Science				820	1	821

Ontario College of Education	213	140	353
Faculty of Forestry	62	..	62
Faculty of Music	24	20	44
Department of Social Service	17	293	310
Department of Public Health Nursing	..	77	77
Registered twice	37	5	42
	3,579	1,770	5,349

The figures may be further analyzed as follows:—

FACULTY OF ARTS.

University of Toronto.

	Men.	Women.	Total.
Teachers' Courses and Summer Session	85	112	197
Occasional Arts' students	17	12	29
Veterinary students	88	..	88
	190	124	314

University College.

	Men.	Women.	Total.
First year undergraduates	281	224	505
Second year undergraduates	134	133	267
Third year undergraduates	132	107	239
Fourth year undergraduates	83	85	168
Occasional students	42	33	75
Registered twice	..	3	3
	672	579	1,251

Victoria College.

	Men.	Women.	Total.
First year undergraduates	101	86	187
Second year undergraduates	62	63	125
Third year undergraduates	64	59	123
Fourth year undergraduates	39	31	70
Occasional students	30	7	37
	296	246	542

Trinity College.

	Men.	Women.	Total.
First year undergraduates	23	25	48
Second year undergraduates	19	12	31
Third year undergraduates	20	11	31
Fourth year undergraduates	10	8	18
Occasional students	3	5	8
	75	61	136

St. Michael's College.

	Men.	Women.	Total.
First year undergraduates	49	52	101
Second year undergraduates	25	21	46
Third year undergraduates	21	18	39
Fourth year undergraduates	15	18	33
Occasional students	14	..	14
	124	109	233

Graduate Courses.

	Men.	Women.	Total.
Candidates for Ph.D.	47	10	57
Candidates for M.A.	77	37	114
Candidates for M.D.	7	..	7
Graduate students	10	10	20
	141	57	198

FACULTY OF MEDICINE.

	Men.	Women.	Total.
First year undergraduates	128	9	137
Second year undergraduates	181	8	189
Third year undergraduates (Six years' course)	130	15	145
Third year undergraduates (Five years' course)	194	15	209
Fourth year undergraduates	207	13	220
Fifth year undergraduates	143	14	157
Post graduate students	6	..	6
Occasional students	2	..	2
Candidates for D.P.H.	6	1	7
	997	75	1,072

FACULTY OF APPLIED SCIENCE AND ENGINEERING.

	Men.	Women.	Total.
First year undergraduates	174	..	174
Second year undergraduates	193	..	193
Third year undergraduates	289	1	290
Fourth year undergraduates	154	..	154
Graduate students	10	..	10
	820	1	821

ONTARIO COLLEGE OF EDUCATION.

	Men.	Women.	Total.
Students registered	213	140	353

FACULTY OF FORESTRY.

	Men.	Women.	Total.
First year undergraduates	21	..	21
Second year undergraduates	13	..	13
Third year undergraduates	11	..	11
Fourth year undergraduates	13	..	13
Occasional and special students	4	..	4
	62	..	62

FACULTY OF MUSIC.

	Men.	Women.	Total.
First year undergraduates	9	10	19
Second year undergraduates	6	3	9
Third year undergraduates	1	1	2
Occasional students	8	6	14
	24	20	44

DEPARTMENT OF SOCIAL SERVICE.

	Men.	Women.	Total.
First year full-time students	8	44	52
Second year full-time students	1	8	9
Part-time students	8	241	249
	17	293	310

DEPARTMENT OF PUBLIC HEALTH NURSING.

	Men.	Women.	Total.
Full-time students	..	44	44
Part-time students	..	33	33
	..	77	77

The numbers examined in the different departments of the University, including those persons granted standing for Military Service, were as follows:—

Arts:

Fourth year	393
Third year	557
Second year	789
First year	1,272
	3,011

Graduate courses	95	
Medicine:		
Fifth year	154	
Fourth year	214	
Third year (Five years' course)	203	
Third year (Six years' course)	129	
Second year	166	
First year	129	
D.P.H.	7	
Occasional student	1	
	1,003	
Applied Science and Engineering:		
Professional degrees	8	
M.A.Sc.	10	
Fourth year	154	
Third year	285	
Second year	190	
First year	171	
	818	
Education		255
Forestry		59
Music		25
Law		26
Pharmacy		94
Dentistry		910
Agriculture		116
Local examinations in music		9,441
Veterinary Science		18
Social Service		216
Public Health Nursing		43

The degrees conferred were:

LL.D. (Honorary)	14
D.Litt. (Honorary)	1
D.Sc. (Honorary)	5
M.D. (Honorary)	1
Mus.Doc. (Honorary	1
D.V.Sc. (Honorary)	1
Ph.D.	7
M.A.	56
M.A.Sc.	10
D.V.Sc.	1
LL.B.	6
M.D.	6
D.P.H.	9
M.B.	138
B.Sc.(Med.)	1
B.A.	361
C.E.	7
M.E.	1
B.A.Sc.	137
D.Pæd.	3
B.Pæd.	5
D.D.S.	174
B.S.A.	117
B.Sc.F.	11
Mus.Bac.	3
Phm.B.	92
B.V.Sc.	18
	1,166

The attendance during the academic year 1921-22 reached 5,349. In Arts the numbers were 2,454, of whom 1,251 were in University College. The ratio of men to women is increasing as compared with the war period, but the indications are that the relative number of women will remain permanently larger, as more women are seeking higher education. The Colleges were faced with difficulties which were partly due to the fact that a low pass in junior matriculation is an insufficient preparation for the standards set in the first year of the academic course, and the large percentage of students who for several years have failed to make their standing in the first year shows that too many have been entering who should have remained longer at school or should have worked harder while in school. After long and careful consideration the Universities of the Province, at their annual conference in December, 1921, decided that in September, 1922, the entrance requirements should be complete junior matriculation, and in 1923, the same with either 75% in four papers or 66% in six pass papers, or 50% in two subjects of honour matriculation, or successful completion of a course at an Ontario Normal School. Such a standard should be no barrier to a boy or girl who has the will to work or the ability to succeed after coming to the University. It does not differentiate in favour of the city youth, but may perhaps prove to be an obstacle to those who turn to the University chiefly for its social life. Also the effort has been made to eliminate those students who have shown, after a year at the University, that they are unlikely to profit by continuing their course. Such a regulation requires delicate application, for in individual cases hardship might result were it rigidly enforced, but in principle and on the average it is for the advantage both of the youth and the College that those likely not to succeed should be told so as early in their course as possible.

I have been frequently assured by leading teachers in the American Universities, which to-day are thronged by vast numbers of students, that this attendance has become for them a menace to their instruction and the quality of their work. Many would like to adopt some such method as we have in matriculation in order to sift those who are fitted to proceed, and others speak approvingly of our honour system whereby we are able to select and give special attention to those who are qualified to do advanced work. Both our matriculation and our honour system, which are historic with us and characteristic of Canadian Universities, have great advantages which should not be lightly abandoned, though one problem in this Province is how we can modify our examination system, and at the same time retain its advantages. To have three weeks in May spent on examinations seems to be too long a portion of the academic year, but the complexity of our honour courses in Arts makes this necessary at present.

The attendance in Medicine remains at about the highest figure in our history. In fact, the final years are so large that both teachers and students complain that proper clinical instruction is not being given. The Hospitals cannot make enough clinical material available to allow of adequate instruction being given to more than about 100 students in each of the last three years. It was for this reason that the Faculty decided that not more than 125 should enter regularly in the first year. But last year 140 were received; those who were rejected included all applicants from outside Ontario and those of eighteen years and under who had only junior matriculation. For the year 1922-23 the standard of entrance acted upon has been several subjects in senior matriculation in addition to junior matriculation. Were it not for the excellent organization of clinical instruction under Professors Graham, Starr and Watson, to mention only the three larger departments, it would have been impossible to cope with the final years. When the attendance becomes normal again it will, I believe, be discovered that the Faculty of Medicine has carried through successfully a very difficult piece of work. My attention was recently drawn to an article in the *British Medical Journal* which discussed very favourably our new course in medicine.

The report from the Dean of the Faculty of Applied Science draws attention to the fact that the higher requirements for entrance into that Faculty, which have been now in effect for some years, have reduced the number of students in the first year, but at the same time have brought to the University a quality of student who shows much better grasp of his work. I wish to draw attention to the changes as set forth in the Dean's report which have been introduced into the various departments, especially for the degree in Civil Engineering. These changes are the result of an attempt to meet prevailing conditions in the world of engineering and industry. This Faculty is affected more than any other by the developments which of late have been rapidly taking place. It is becoming increasingly common for men in business to have their sons take a university course, preferably in Applied Science, though they may intend to enter business life rather than to pursue a career in engineering. Architecture also has of recent years assumed a much more important place in the life of the community, and to differentiate it in some measure from engineering, the Senate, on the recommendation of the Faculty of Applied Science, has created the degrees of Bachelor and Master of Architecture.

The attendance in the Faculty of Forestry has reached the highest figure in its history, and every year is bringing fresh evidence of the large sphere of influence that the graduates of this Faculty will exercise in the preservation and development of the lumbering and forest-products industries of this Dominion. A new building for this Faculty, with which the Department of Botany has been associated, is long overdue, but I hope that in the coming year it may be possible to begin the erection of at least a portion of it.

The numbers in the College of Education are of course much reduced since students training for the higher Public School certificate have been removed to the Normal Schools, but those who are now in attendance in the College of Education are practically all graduates in Arts, and a better average grade of work has been made possible. The long illness of Professor H. J. Crawford, Headmaster of the Schools, was a serious handicap during the session, but his colleagues on the staff generously did their best to overtake the work which would have fallen to him. The addition of the building which has been provided for, and on which work has already begun, will be of great advantage to the University Schools as well as to the College of Education.

Toward the end of the academic year the Senate provided for a School of Graduate Studies which is to be controlled by a special council and a dean. The creation of this School gives a fuller recognition to the place that graduate work should hold within the University. It also brings together in a common council from all departments in the different faculties those who are engaged in graduate work, and thereby a similar status will be maintained for this kind of work throughout the University. In a certain sense the creation of this School is no new departure, as the Board of Graduate Studies has for years been in existence and a large amount of graduate work has been carried on. The report of the Dean shows how actively members of the staff have been engaged with graduates and what excellent results have already been attained. The establishment of the School, however, should imply that a new impulse will have been given to this essential function of the University. In connection with this I wish to call attention to the report on Special Research in which it is shown that a large and varied amount of research work is being conducted in the University, but the most striking result of research during the past year has been the discovery of a method of making an extract from the pancreas, to be used for the treatment of diabetes, especially in its advanced stages. This remarkable and now widely known discovery has been due to the persistent and imaginative efforts of Dr. Banting, together with Mr. Best and Dr. Collip, aided by others, chiefly in the Physiological Laboratory, in which Dr. Macleod put his wide knowledge and experience at their disposal. This result is a splendid proof of what may be effected by research in a well-equipped laboratory where competent workers trained in scientific methods co-operate. It is such a discovery as this that justifies the expenditure of money which may, over a long period of time, seem to produce no obvious results until, based upon the quiet work that has been done in various departments, an investigator arrives at some conclusion which may be of untold value.

With the co-operation of the Toronto General Hospital the Department of Clinical Medicine has established a diabetic clinic and already patients have come from great distances. This is the opening of a new field for medical research and treatment. So far the clinical effects of insulin have been only partly investigated, and the best results will not be attainable until it is possible to have it manufactured in large quantities and of a standardized quality. In the Connaught Laboratories the great difficulties in the separation of insulin are being overcome. A large amount of money has already been spent by the Laboratories on this work, and the methods of production are developing rapidly. Important though the results have already been, a beginning only has been made. This discovery has given an immense impetus to the spirit of research throughout the University.

The year has brought wide expansion in the Department of Extension Work. Short courses for journalists and town-planners were instituted, a second short course for farmers was conducted, and a short course in Household Science; classes for teachers and others have been conducted in the cities of Toronto, Hamilton and Ottawa, and courses and lectures were also maintained in rural districts. A full account of this work is given in the report of the Director. This rapid development is a proof that here, as in the leading Universities of Britain and America, recognition has been made of the duty to support not only adult education but to give partial academic privileges to those who are unable to secure them intramurally.

Mr. Dale's report on Social Service is another proof of the successful efforts the University has made to give direction to those who are convinced that the urban and rural conditions need classes of people with university outlook to direct philanthropic activities and to prevent or alleviate the ills of society. In this connection I call attention also to the report of Miss Russell on the work of the second year in the course on Public Health Nursing, the cost of which is met by the Red Cross Society of Ontario.

The report of the Warden of Hart House is of especial interest, as it is the first made by the new warden, Mr. J. B. Bickersteth. He has brought great enthusiasm to his work, and has keen interest in the student himself. Knowing thoroughly the English system of college life at its best, and having had several years' experience in the University of Alberta, he has unusual qualifications. Already Hart House has attracted attention far beyond Canada as filling a noble function in student life.

I am glad to report that the property of the late Colonel Nichols, at 79 St. George Street, has been purchased, and that a dining hall, to hold about two hundred, together with a large room above for common collegiate purposes, is being erected. This building is to be devoted to the use of the women students of University College to serve as their Union and provide for them a meeting place in which their common college life can be developed.

I regret, however, that the accommodation for providing physical exercise and training for the women of the University is still insufficient. The appointment of Dr. Edith Gordon as medical adviser for the women students has emphasised more than ever the need for a large gymnasium, swimming-pool, and more outside ground for the women undergraduates of the University. Dr. Gordon's examination of the women students has shown that their health is on the whole very good, but undoubtedly the appointment of such a medical adviser will result in the saving of many a student from trouble in the future by directing her attention to incipient ills. No treatment is given by the medical adviser, but attention is drawn to weaknesses, and where medical or surgical treatment seems advisable the student is urged to have it at once. Before long a suitable infirmary should be provided for women students. At present the old converted houses that are being used for residences for the women of University College especially, while to be preferred to the rooming houses in which so many students still have to live, are poor substitutes for a well-built modern residence with good ventilation.

As announced in my last report, the Connaught Laboratories Committee has undertaken the support for two years of a medical service for men in order that results may be obtained as to the health conditions of a well-defined and comparatively homogeneous section of the community. The first annual report of Dr. George D. Porter, medical adviser for men students, deserves careful reading. Aided by a number of medical assistants, he has made a thorough examination of the physical condition of the men students of the first and second years. He has found that only three and one half per cent. of the total number of men in attendance during the first two years are unable to take physical exercise, and he states that the general health and well-being of the student community are remarkably good.

A special convocation was held on November 28th, when the honorary degree of Doctor of Laws was conferred upon His Excellency Lord Byng of Vimy.

Ten organ recitals were given by the University Organist, Dr. F. A. Mouré, fortnightly during the months from November to March.

The following special lectures were given: In October the Right Honourable Sir Robert L. Borden, G.C.M.G., P.C., LL.D., delivered three lectures on the Marfleet Foundation, entitled "An Introduction to the Study of Constitutional Development in Canada." In January Professor William Bateson, F.R.S., Director of the John Innes Horticultural Institution in England, gave a course of five lectures on the subject of "Genetics and Heredity." Sir Bertram Windle, F.R.S., gave a course of twelve lectures beginning in January on "Mediæval England from the Departure of the Roman Legions to the Tudor Period." In January also a conference was arranged by the Department of Philosophy, at which discussions were conducted by Professor Hocking of Harvard University on "Philosophy and History," by Professor P. D. Shastri of Calcutta University on "The Spirit of Eastern Philosophy," by Professor J. E. Creighton of Cornell University on "Philosophy in the Eighteenth and Nineteenth Centuries," and by Professor Woodbridge of Columbia University on "Modern Philosophy."

The following benefactions have been received during the year: Rockefeller Foundation $52.557.71: Eaton Endowment $25.000: John Hoskin Bequest $14,000; Carnegie Corporation for research in Physics $13.200; Canadian Red Cross for Public Health Nursing Department $5.075.15: Marion E. Dickenson Scholarship Fundation (Household Science) $4,000: Graduate Fellowships for 1922-23: Canadian Pacific Railway $1.500, Sir Edmund Osler $500, Sir Edward Kemp $500, Colonel R. W. Leonard (for 1921-22) $500; Canadian Oral Prophylactic Association for Dental Research $3,000; Sir Edmund Osler for Pathological Investigations Fund $1.000: R. A. Reeve Bequest $700; R. Stothers, balance of William Hardie Scholarship Foundation, $700; Boiler Inspection Scholarship $130; Jardine Memorial Prize for poem $100; Dr. R. A. Reeve Prize in Medicine $50; Menorah Prize $50; Sir John Gibson for medal $25: Tracy Prize in Ethics $20: McCaul Scholarship: G. A. H. Fraser $25.65, Principal Hutton $25, A. M. Stewart, K.C., $25; Alumnæ Prize in English (two years) $20. Total $122.703.51. The Imperial Oil Company also have offered a graduate fellowship of $500 for the year 1922-23.

Loans without interest have again been made from the War Memorial Fund to 424 returned soldier students amounting to $120,416. The work of the Alumni in their careful administration of this most valuable fund cannot be too warmly approved. The repayment of loans is meeting the expectations of the committee.

All of which is respectfully submitted.

ROBT. A. FALCONER,
President.

November 23rd, 1922.

APPENDIX A.

(1) Report of the Principal of University College.
(2) Report of the Dean of the Faculty of Medicine.
(3) Report of the Dean of the Faculty of Applied Science.
(4) Report of the Dean of the Faculty of Forestry.
(5) Report of the Dean of the Ontario College of Education.
(6) Report of the Dean of the Faculty of Music.
(7) Report of the Chairman of the Board of Graduate Studies.
(8) Report on Research.
(9) Publications.
(10) Report of the Librarian.
(11) Report of the Director of the Department of Social Service.
(12) Report of Department of Public Health Nursing.
(13) Report of the Director of University Extension and Publicity.
(14) Report of the Director of Department of Military Studies.
(15) Report of the Health Service.
(16) Report of the Warden of Hart House.
(17) Report of Director of Connaught Antitoxin Laboratories.
(18) Statement regarding the Biological Museum.
(19) Statement regarding the Museum of Geology.
(20) Statement regarding the Museum of Palæontology.
(21) Statement regarding the Mineralogical Museum.
(22) Statement regarding the Museum of Archæology.

(1) REPORT OF THE PRINCIPAL OF UNIVERSITY COLLEGE.

(*Principal Maurice Hutton.*)

The session of 1921-22 for University College has been on the whole uneventful: the congestion of the College being scarcely an event: it has existed before for so long a period. Which does not mean, however, that it can continue much longer: the number of our students still increases, especially the number of the women, which has almost overtaken this year the number of the men: a feat which we had fondly imagined was only an accident of war.

In this matter we have had, fortunately, already a measure of relief; the Governors having taken over a house on St. George Street which will supersede the present Women's Union, constitute a new and better Union for them, and add No. 85 St. George Street to the list, imperfect and inadequate at the best, of women's residences.

The men students still need similar provisions. Their re-organized Society, known now as the Literary and Athletic, has functioned well and has drawn the former Premier, Mr. Meighen, an old member of this Society, to its meetings, and Sir Joseph Flavelle and the Premier of the Province. But it is without reading room or common room; and the College, congested with lecture rooms and administration offices, has tried in vain to meet these needs. Something must be done in the immediate future, if it were only to meet the wants of the Literary and Athletic Society. But in reality these wants are only a small fraction of the disadvantages which come from congestion.

Two Professors retire under the Carnegie system. Professor Craig came to us only recently from McGill and Ann Arbor, but the superannuation of Professor D. R. Keys removes one of the oldest and best-known members of our Staff: a member senior to every one (with one exception) and one of the most versatile, if not the most versatile, Professor who has conferred honour on the Staff. Professor Keys has lectured in turn on English literature, Anglo-Saxon and Italian. He is the best linguist we possess: but that statement does not begin to exhaust his activities and interests. There is, in fact, no subject, practically, on which he has not given or attended lectures, and the Royal Canadian Institute, primarily a scientific rather than a literary society, has been more continuously and more deeply indebted to his labours as secretary and librarian, than to any one except its president, Professor Fields. Rust and moth will never invade Professor Keys, even after his retirement: thieves—unfortunately for themselves—have not the sense to break through and steal a share of his accomplishments.

The generation of students which participated in the great years of Canada and of Unversity College, the years of the Great War, practically reaches its end this session. It has ended auspiciously with the appointment of one of the College's undergraduate soldiers, F. L. Hutchison, to the John Moss Scholarship, established as an open scholarship for the four Colleges, preferably for the best candidate who had served at the front. Mr. Hutchison was conspicuous in the re-organization of the Literary and Athletic Society, and has been its first student-president.

One further development of the year requires notice. The Alumni Association of the graduates of the University has been almost of necessity too large and vague a society to attract interest and support. Accordingly last autumn an Alumni Association for University College was organized. The new Association exerted itself at once in arranging for a course of six popular lectures in Convocation Hall on Tuesday evenings, which drew a remarkable attendance, and more than fulfilled the hopes and rewarded the labours of the committee in charge.

UNIVERSITY COLLEGE.

Complete Enrolments of Students as of January, 1922.

	Men.	Women.	Total.
First year	275	230	505
Second year	135	130	265
Third year	125	111	236
Fourth year	85	84	169
	620	555	1,175
Occasionals	41	34	75
(Duplicates)	..	3	3
	661	586	1,247

SESSION 1921-1922.

Students in University College According to Religious Denominations

Presbyterians	560	Evangelicals	6
Church of England	275	L.D. Saints	3
Baptist	46	Disciples	4
Roman Catholic	30	Unitarians	1
Jews	60	Salvation Army	1
Congregational	7	Methodists	173
Quakers	1	Adventists	1
Lutherans	1	Brethren	2
Christian Science	3		

(2) REPORT OF THE DEAN OF THE FACULTY OF MEDICINE.

(*Professor A. Primrose.*)

The session just closed completes three years in which the curriculum of study known as the "six year course" has been in operation. The experience gained has further confirmed the opinion, expressed in our last annual report, of the advantages gained by increasing the term of undergraduate study in Medicine from five years to six years. We are still labouring under the disadvantages dependent upon the transition period, but these disadvantages ceased, as far as the first three years were concerned, with the close of last session. The final (clinical) years will continue to be handicapped in this way until the session 1923-1924 when the last of candidates entered in the five year course will have graduated.

Last session, for the first time, a limitation was placed upon the number of students entering the first year. There were 143 registered for the session. This was somewhat in excess of the number determined upon by the Senate and the Board of Governors. It was found impossible, in the first year of the enactment of this new regulation, to adhere strictly to the number authorized without inflicting hardship upon a number of applicants who had fulfilled all the conditions and had applied for registration. Next session the requirements of honour matriculation will be in full force and, as a result of this increased standard, we believe the entering class in future will be restricted within reasonable limits.

We have to record the death of Dr. Allen McKenzie Baines, Emeritus Professor in the Department of Pædiatrics. We have also suffered severe loss in the death of Dr. George A. Bingham, Associate-Professor of Clinical Surgery in this University. Both Dr. Baines and Dr. Bingham were members of the teaching staff of Trinity Medical College, and became members of the Faculty of the University of Toronto at the time of Federation of Trinity and Toronto in 1903. Dr. Baines retired from active teaching in 1919. He was chief of the medical service in the Hospital for Sick Children and head of the Department of Pædiatrics at the time of his retirement. Dr. Bingham was engaged in the discharge of his duties in the Department of Surgery until a few weeks before his death, which took place on March 2nd, 1922. He had been a most faithful and efficient member of the staff of this University; no teacher ever had a more loyal or appreciative class of students. He won high distinction for efficiency and thoroughness in his work. His loyalty to the University and to the Hospital, his breadth of view and sound judgment were outstanding characteristics which will make his loss severely felt.

The annual donation of $50,000.00 provided by the Rockefeller Foundation became available for the first time in the session 1921-1922. This made it possible to reorganize the department of Surgery and to assist, in varying degree, the expansion and development of other departments in the Faculty. In Surgery the work of reorganization has been successfully carried out, so that this department is now on a similar basis of efficiency to that of the Department of Medicine. The endowment to the Department of Medicine by the late Sir John and Lady Eaton permitted the reconstruction of that Department in 1919. During the session a gift of $20,000 from Mrs. A. R. Clarke was used in the establishment and equipment of Clinical Laboratories in the Toronto General Hospital.

Three sessions have been completed since the reorganization of the Department of Medicine. The work has been carried on under the direct supervision of a whole-time Professor, who was appointed to the chair. Success has attended this undertaking and the department has carried on various activities in undergraduate training, in graduate instruction and in research. The present organization maintains a very high grade of efficiency. Progress and success along similar lines have been attained in the sub-department of Pædiatrics.

The appointment of Dr. Clarence L. Starr as whole-time Professor of Surgery was made in July, 1921. Under his direction, as head of the department, an effective reorganization both of staff and teaching has been carried out. The teaching of Surgery to undergraduates has been systematized, the course is thorough and is arranged with a view of providing adequate training for the general practitioner. Graduate instruction has also been carried on and a curriculum of study inaugurated for those proceeding to the higher degrees of Medicine as Specialists in Surgery. Certain members of the staff have been engaged in research problems which have resulted in some notable and valuable contributions to the practice of surgery.

In the Department of Obstetrics and Gynæcology the University has suffered a great loss in the resignation of Professor B. P. Watson, who has accepted appointment to the chair of Obstetrics and Gynæcology in the University of Edinburgh. During the ten years which Professor Watson spent in Toronto he brought his department up to a very high standard of efficiency. The methods he so successfully adopted in the organization of his department attracted wide-spread attention and admiration. This finally resulted in an urgent call to serve his Alma Mater in Edinburgh, whither he has gone to fill the chair rendered famous in the old days by Sir James Y. Simpson, Sir Alexander Simpson and latterly by Sir Haliday Croom. The efficiency of this department will be well maintained by Dr. W. B. Hendry, who has been appointed Dr. Watson's successor and who will assume the duties of the chair next session.

These three great clinical departments, Medicine, Surgery, Obstetrics and Gynæcology, are now thoroughly equipped to do excellent work and have attained a standard of efficiency of which the University may well be proud.

Dr. D. J. Gibb Wishart has retired from the chair of Oto-Laryngology. He was a member of the teaching staff of Trinity Medical College. He became Associate-Professor in Oto-Laryngology in this University in 1903, at the time of the federation of Trinity and Toronto, and full Professor in his department in 1914, succeeding the late Dr. G. R. McDonagh. He served the University with marked efficiency, and for several years has rendered most valuable service as Chairman of the Committee on Curriculum and Examinations in the Faculty. The chair has been filled by the appointment of Professor Perry G. Goldsmith.

There have been no changes in the teaching staff in the Department of Ophthalmology. As heretofore, instruction has been given to limited classes in the fourth and fifth years.

In the Department of Therapeutics, undergraduate teaching has been carried on both by lectures to the class as a whole and by demonstrations to smaller groups. Dr. F. M. R. Bulmer was appointed Fellow in the department and has been engaged in special research work which is not yet completed, but which promises to be of value not only in Therapeutics but in Medico-legal work.

One year ago the Department of Radiology was constituted with Dr. G. E. Richards, as Associate in Radiology, head of the department. A limited series of lectures and demonstrations have been given to the fourth and fifth years.

The Department of Psychiatry continued as heretofore a course of instruction for undergraduates, consisting of lectures in the fourth year and a series of clinics in the fifth year. The projected expansion of this department both for undergraduate and graduate work is postponed because of the delay in the erection of the Psychiatric Institute. It is hoped the building will be undertaken in the near future.

Professor G. Silverthorne has completed his first session in charge of the Department of Medical Jurisprudence. The course consisted of a series of lectures and class-room demonstrations delivered to the fourth year.

In the preliminary Science Departments we may note the continued efficiency of the instruction given to medical students in the Arts Departments of Biology, Chemistry and Physics.

In the Department of Anatomy it becomes essential to add another senior instructor to the staff. This will become all the more necessary because of the increased work involved in organizing and equipping the new building which is approaching completion and will be ready for occupancy next session. It constitutes an addition of immense importance to our laboratory facilities in the fundamental medical sciences. Professor McMurrich has supervised the arrangement of the plan of the building, and has provided ample facilities for the study of Anatomy both in the undergraduate course and for the purposes of graduate study and research. During the session just closed members of the staff have had little opportunity for research because practically all the time available has been devoted to teaching. In spite of this handicap, however, some important original investigations have been undertaken.

The Department of Physiology has completed a session of strenuous work. The large classes were chiefly accounted for by the overlapping of the old five and the new six year courses, conditions which will not obtain again. The session just completed constitutes the first year during which instruction in Physiology to medical students was given in one session instead of two. The head of the department is satisfied that this intensive study, concentrated in one session, is advantageous. The results of the examinations this year left no doubt on that point. In future, under the terms of the new curriculum, there will be an opportunity for optional courses in Physiology during the clinical years, when applied aspects of the subject from the clinical standpoint may be studied. During the session two new courses were introduced: one of them an optional course for third-year students on the physiology of respiration and the other a course of lectures on applied physiology. In the laboratories of the Department of Physiology important research has been carried on. Dr. W. P. Warner, along with Professor Olmsted, has been engaged in an investigation of reflex action in mammals: Dr. Taylor has continued a research on peripheral blood flow: Dr. Banting, in collaboration with Mr. C. H. Best, has succeeded in preparing pancreatic extracts which are capable of removing the cardinal symptoms of diabetes. Dr. J. B. Collip of the Department of Pathological Chemistry, also collaborated in this work, especially in the methods of the purification of the extracts. This important discovery has afforded a means of investigating many problems in the physiology of carbohydrates, and in this work Dr. Hepburn and Dr. Latchford and Mr. E. C. Noble have been engaged with extremely gratifying results.

In the Department of Biochemistry, as in Physiology, last session presented the first opportunity for testing the value of the new curriculum of study, i.e., the six year course. The result was entirely satisfactory. Students of the third year participated for the first time in optional courses. The topics chosen were of special interest to the students of scientific medicine. The number of students permitted to take this intensive course was strictly limited; those taking it made excellent and rapid progress and the results of the optional system thus applied were extremely encouraging and satisfactory.

Notwithstanding the heavy burden of teaching placed upon the staff, several important investigations were conducted, bearing especially on the chemical structure of the protein molecule.

The staff of the Department of Pharmacology at the beginning of the session required several readjustments because of the part-time appointment of the Assistant Professor (Dr. N. C. Sharpe) to the division of Industrial Hygiene of the Department of Public Health of Ontario. This reorganization threw an unusually heavy load of undergraduate instruction upon the head of the department.

In addition to teaching duties, investigations were conducted by Professor Henderson on the pharmacological action of atropine, by Dr. Sharpe and Miss Deas on the quantitative estimation of mustard oils in weed seeds and by Dr. Sharpe on the hazards of the painter's trade due to lead, turpentine, benzol, etc.

The Department of Pathology and Bacteriology has been under the direction of Dr. H. B. Maitland because of the absence of Professor Mackenzie during a long illness. Under the terms of the new curriculum (six years' course) the teaching in Bacteriology to the third year was increased from 60 to 154 hours. It was necessary, in addition, because of the overlapping of the five and six years' courses, to give instructions in general Pathology and Histo-pathology to the third year of the old five years' course. In other years the work was carried on as in previous sessions.

Research work has been carried on by Fellows and post-graduate students proceeding to higher degrees. Dr. G. C. Cameron has carried on investigations in epidemic encephalitis: Drs. Linton and Eagles have studied hæmolytic streptococci from scarlet fever: Dr. Dandy has perfected a method of reading capillary blood pressure: Miss Marjorie Webster has been engaged in investigating bacterial mutation: Miss C. J. Fraser has been studying serological grouping of streptococcus viradans from teeth and from type infections: Dr. Maitland has been making a study of d'Herelle's phenomenon, more particularly the application of a quantitative method.

In the Department of Pathological Chemistry the staff was increased by the appointment of Dr. J. B. Collip as Assistant Professor. Undergraduate training in the clinical application of laboratory methods has been greatly increased in amount in this department. This has resulted in much more efficient training for medical students. Graduate work and research have been participated in by the staff and by graduate students. Professor Harding has been engaged in researches on the nature and treatment of nausea and vomiting in pregnancy and in researches on creatinuria, assisted by Mr. Gaebler and Dr. T. G. H. Drake. Professor Collip has studied *rigor mortis* and has investigated digestion in the fowl.

In the Department of Hygiene and Preventive Medicine undergraduate courses have included lectures and demonstrations to the fourth year of the five years' course.

In addition, graduate work has been carried out and included: (1) A course leading to the diploma of Public Health: (2) Lectures to nurses leading to a diploma in Public Health nursing: (3) Research in Preventive Medicine and Hygiene in the Research division of the Connaught Antitoxin Laboratories under the direction of the Head of the Department. Three candidates for the Ph.D. took advantage of the facilities thus offered.

Certain research activities during the session have resulted in the publication of seven papers on tuberculosis, diphtheria toxin, the ripening of virus and the diagnosis of smallpox. Professor Fitzgerald has also in press a book entitled "An Introduction to the Practice of Preventive Medicine," in which use is made of Canadian statistics.

Graduate study:—During the past session there was constituted a school of graduate studies in the University of Toronto. The Faculty of Medicine will have due representation upon the council and executive. Professor J. Playfair McMurrich has been appointed Dean and, when the organization is complete, this body will assume administrative control of the curriculum of study leading to the higher degrees in Medicine.

In recent years the Faculty of Medicine has greatly increased the facilities offered for graduate study. A definite curriculum is now in force for the training of specialists. This demands three years of post-graduate work, and the candidate, after passing the final examinations, is eligible for one of the higher degrees in Medicine, namely, the "M.D.", or the "Ch.M." By this means a student who wishes to qualify as a surgeon or a physician and practise as a specialist, is able to obtain a thorough training to fit him for his particular field of work. Provision is also made for students who come to the University for short courses. Any graduate who applies for courses varying from, say, six weeks to six months, or a year, is referred by the secretary's office to a special official whose duty it is to give the graduate all information as to the facilities offered for such special study as he may desire, and will get him in touch with the departments where his work is to proceed.

During the Christmas vacation, and again at Easter, a short series of clinical lectures and demonstrations for graduates was provided in Medicine, Surgery and Obstetrics and Gynæcology. A summer course in Pædiatrics at the Hospital for Sick Children also proved most popular.

Throughout the session the Faculty, in conjunction with the Ontario Medical Association, provided extension lectures, demonstrations and clinics in different parts of the Province. These have proved of the greatest interest and value and have been taken advantage of by many of the local medical societies in their programme of meetings. This work has developed to a remarkable degree of activity.

Research:—In the various departments research has been conducted extensively. Reference is made in more detail to this work when dealing in this report with the individual departments. Problems of purely scientific value have been studied and successfully solved. Investigations have been carried on by members of the staff which have had special bearing on clinical problems and have resulted in contributions of great value to the practice of medicine and surgery.

(3) REPORT OF THE DEAN OF THE FACULTY OF APPLIED SCIENCE AND ENGINEERING.

(*C. H. Mitchell, Esq., LL.D.*)

The year just closing has been marked by several features in connection with the Faculty of Applied Science and Engineering.

The revised curricula, upon which much thought and time have been expended, have finally been adopted and issued in the new calendar. Many of the changes have been under consideration for some years and in several cases have been the result of two or three years' trial. The changes are entirely constructive, with a view to meeting conditions clearly demanded in technical education in the country, or likely to be demanded with its anticipated development. The four years' course has been retained but, by reason of the higher entrance standards recently adopted, it has been possible to put certain subjects forward from senior to junior years and thus leave room for new or more comprehensive work in the third and fourth years.

A significant feature of this year has been a considerable increase in the number of students who have sought admission to senior years coming from other Universities, from distant Provinces and other countries. It is considered to indicate a recognition not only of the high standard of instruction, but of the value attached to a degree in Applied Science and Engineering from this University.

Another feature has been the increased number who have taken post-graduate work leading to the degree of Master of Applied Science and it is gratifying that these have been distributed in as many as five departments of the Faculty. This is taken to indicate a realization of the value of the facilities which are now available here for doing post-graduate and research work in these directions. Much attention has been given during the year to the development of post-graduate facilities and, with the special co-operation of the School of Engineering Research (contained within the Faculty) in which a very comprehensive programme has been carried out, a great impetus has undoubtedly been given to post-graduate work in the various branches of Applied Science, which is sure to result in increased activity in the immediate future.

The new building to contain the Departments of Electrical Engineering and Civil Engineering and Applied Mechanics was formally opened in November, 1921. This, with the increased facilities and space afforded, has proved of great value and has enabled the much needed expansion in these Departments. In Electrical Engineering in particular the increased facilities have permitted a much greater efficiency in instruction, which has been directly reflected in the quality of work done.

The Engineering Graduates' reunion, now a yearly event, which was held on this occasion in conjunction with the opening of the new building, again proved the great value of the alumni body in its sympathetic interest and co-operation with the University. This attitude and interest of the graduates of this Faculty is particularly marked, and should be considered as one of the valuable assets of the University.

Two successful special conferences were held in connection with departments in this Faculty. The first of these, in February, that on Town Planning, combining Departments in this Faculty with several of those in Arts, through the medium of University Extension, brought many old graduates and others interested in this important subject to the University for a fortnight, and appeared to have been much appreciated as a very useful effort on the part of the University. A symposium on Water Power held in March, under the direction of the Department of Mechanical Engineering, also attracted wide interest by means of special lectures by graduates and others, experts in their particular branches of this subject. It is hoped that this may be a step toward the establishment of more special post-graduate work in Hydro Electric Power, a subject to which this University should pay special attention, situated as it is at the centre of the hyrdo electric power development in Canada.

In Civil Engineering the revised curriculum has been drawn with a view to broadening the course and making it into what might be considered to be an all-round general course designed not only for engineers, but for those who may contemplate business pursuits more or less allied with technical. The options in the fourth year have been rearranged so that each is well balanced, providing especially for such as municipal, structural, hydraulic and railway groups.

The success of the Summer Survey Camp is now well assured with the completion of its second season. The advantages gained, not only in more efficient instruction but in more time set free during the regular session, fully justify the course which has been pursued in the establishment of the camp. This year there were sixty-seven students of the third year who took the work. As the area owned by the University is limited, it would be advisable to increase it for greater efficiency; this can be done at comparatively small expense while surrounding land is cheap.

In Mining Engineering the curriculum has also been extended by broadening, especially in senior years. This is now a very comprehensive course. It is to be expected that the marked revival of mining activities in Canada may shortly be reflected by increasing numbers of students in this course.

The Department of Mechanical Engineering has been suffering of late years from insufficient equipment. The limited appropriations of the past year have made possible a start to remedy this, but it is to be expected that further substantial appropriations will be required to place these laboratories in a position to meet the growing demands in this important branch, which has to carry not only its own students but those of several other departments as well.

In Chemical Engineering the activities of the country still seem to be reflected in comparatively large numbers of students coming up for courses. This department still has the second largest enrolment in the faculty and is still struggling under a most serious handicap of limited space, requiring to make various shifts for accommodation and equipment. Its post-graduate work is suffering as well as its regular courses, and it is considered that, unless means can shortly be found to increase accommodation, this branch built up now to such a high state of efficiency, will not be able to maintain it.

The Department of Electrical Engineering was finally transferred to its new building and was able to commence the session in October, 1921, completely installed in it. It is now well provided for as to space, and its equipment is almost complete. The importance and size of this department in point of numbers can be appreciated when it is realized that it has had enrolled during the year 240 students of the total of 820 in the Faculty, and that it has given instruction to students of other departments as well as to its own to a total number of 432, mainly in laboratory classes.

The Mechanical Engineering Department is now also well provided with space and is in a position to expand in a manner appropriate to the demand. While in point of numbers this is the smallest of the departments, the importance of this branch in the activities of the country has fully warranted the attention given to it.

(4) REPORT OF THE DEAN OF THE FACULTY OF FORESTRY.

(*Dr. C. D. Howe*).

The Faculty of Forestry had the largest registration in its history during the past year, there being sixty-two men in attendance, distributed among the classes as follows: first year, twenty-one; second year, thirteen; third year, eleven; fourth year, thirteen; special, four. It is expected, however, that the number will be considerably reduced next year owing to the initiation of the honour matriculation requirements.

Thirteen men will be graduated and this is, also, the largest number graduated at one time. At present twelve have obtained permanent positions, three in the Dominion Forestry Branch and nine in the Ontario Forestry Branch.

Forty-three undergraduates are employed in forestry work during the summer months, twelve by the Dominion and thirty by the Provincial Forestry Branch, and one by a private pulpwood company. It is with great pleasure that I call your attention to the increasing number of our students who are employed by the Ontario Forestry Branch. A few years ago none of our undergraduates were able to find employment with the Province, but this summer almost half the total number of students in attendance are thus employed. For years we had only two graduates on the Provincial staff of foresters, now we have seventeen. It is with great regret that I report the death by drowning of Fred. C. S. French, a member of the freshman class, while at work with a forest survey party in Manitoba. He was one of the most promising men of his class and, having been a practical woodsman as well as a veteran of the late war, he was particularly well qualified for forestry work. This is the first fatal accident that has occurred to any of our students while in the pursuit of their profession, during the fourteen years of the School's existence.

The George E. Bothwell medal was awarded to Gordon G. Cosens, a third year student. This medal for proficiency in Silviculture has been established by the former associates of George Bothwell in the Dominion Forestry Branch. Bothwell was shot in the back by a German officer, whom he was bringing in as a prisoner, in September, 1916. An effort is being made to establish other medals and prizes in memory of the forestry men who fell in the Great War.

We are still in need of increased appropriations to supplement our pathetically inadequate teaching equipment. The arguments demonstrating the necessity of such appropriations in the ordinary annual reports and in special reports from this Faculty for the past ten years still hold good. Others might be added but for the fact that necessity is already acknowledged by all familiar with the situation. Only the means fail to materialize.

(5) REPORT OF THE DEAN OF THE ONTARIO COLLEGE OF EDUCATION.

(*Dr. W. Pakenham*).

The total registration for the session was 353, as against 226 for the previous session. The most marked increase appears in the courses for high school assistants and specialists where the attendance has practically doubled. While a marked improvement in the salaries of high school teachers in Ontario is the chief explanation of this increase, the most significant factor in the increase is the admission to these courses of graduates in Science, Applied Science, Agriculture and Commerce, side by side with graduates in Arts.

In connection with the increased attendance, it is satisfactory to note that, as the Legislature has now appropriated $100,000 with which to begin additions to the College of Education and as the University architects have now completed the necessary plans, the new buildings will probably be ready for use before the end of the coming Session.

The College of Education and the University Schools have passed through a very trying session. The Headmaster, Professor H. J. Crawford, has been seriously ill since December, 1921. In his absence Professor W. C. Ferguson assumed the duties of the Headmaster of the University Schools, and Dr. D. E. Hamilton those of the lecturer in Methods in Classics.

(6) REPORT OF THE DEAN OF THE FACULTY OF MUSIC.

(Dr. A. S. Vogt).

The number of students registering for the course leading to the degree of Bachelor of Music, represented a gratifying increase over the registration of any previous year, and was as follows:—first year, eighteen; second year, nine; third year, two; occasional students, fifteen; total, forty-four.

The number of candidates applying during the year for the local examinations in Music, which examinations are now conducted through the Toronto Conservatory of Music, totalled 9,441, and were distributed as follows:—Piano, 6,611; Organ, 27; Singing, 325; Violin, 214; Sight Singing, 132; Theory of Music (rudiments, harmony, counterpoint, etc.), 2,132. Besides the increasing growth in prestige and influence of these examinations throughout Canada, a significant demand for the Conservatory's examiners has also developed in the United States, where a number of important centres were formed during the year in the States of New York, Michigan, and Indiana.

A series of eighteen lectures was delivered by members of the Faculty as follows:—

Healy Willan, Esq., Mus.Doc., F.R.C.O.:
  January 16—"Laws of Part Writing."
  January 30—"Diatonic (or Secondary) Sevenths."
  February 13—"The Harmonization of Unfigured Bases."
  February 27—"Chromatic Chords."
  March 13—"Counterpoint—Combined Species."
  March 27—"Double Counterpoint."

Albert Ham, Esq., Mus.Doc., F.R.C.O.:
  January 13—"Modern Church Organ Music by English Composers."
  January 27—"Old English Church Composers."
  February 9—"Choral."
  February 16—"Church Cantatas."

F. A. Mouré, Esq.:
  January 23—"The Oratorio."
  February 6—"Some Historical Particulars Regarding Beethoven's Sonatas."
  February 20—"The 18th Century Italians."
  March 6—"The Modern French School."

H. A. Fricker, Esq., M.A., Mus.Bac., F.R.C.O.:
  January 20—"Form in Choral Music."
  February 3—"Form in Choral Music."
  February 24—"Orchestration in Choral Music."
  March 10—"Orchestration in Choral Music."

The special series of organ recitals given in Convocation Hall during the season by the University Organist, F. A. Mouré, Esq., attracted large and warmly interested audiences of students and music lovers generally. Mr. Mouré's programmes were again admirably varied and skilfully chosen, revealing throughout highly commendable catholicity of taste. The recitals added much to the artistic life of the University.

(7) REPORT OF THE CHAIRMAN OF THE BOARD OF GRADUATE STUDIES.

(*Professor J. Playfair McMurrich*).

The number of students enrolled for graduate studies in the session 1921-1922 again shows an increase over that of the preceding year, the total being 198 as compared with 163 in 1920-1921. Of this number 186 were in attendance at the University and twelve were studying *in absentia.* According to their geographical distribution the students may be classified as follows:

Residents of the Province of Ontario	166
Residents of other Provinces	18
Residents of other countries	14
	198

Of these 149 had received their undergraduate training in the University of Toronto and forty-nine in other Universities; sixty-seven were members of the teaching staff of the University and four others were holders of fellowships, but not engaged in teaching.

The distribution of the students in the various departments, based on the subject chosen as the major study, was as follows:—Anatomy, three; Astronomy, two; Bacteriology, three; Biochemistry, six; Biology, four; Botany, thirteen; Chemistry, twenty-two; Classics, nine; Educational Theory, seven; English, fifteen; Food Chemistry, six; Geology, three; German, two; History, twelve; Household Science, three; Hygiene, three; Mathematics, five; Mineralogy, one; Oriental Languages, one; Pathological Chemistry, one; Philosophy, twenty; Physics, seventeen; Physiology, four; Political Science, thirteen; Romance Languages, eleven; Zymology, four.

The degrees sought are shown in the following table:—

Candidates for the degree of Ph.D.	57
Candidates for the degree of M.A.	114
Candidates for the degree of M.D.	7
Students not candidates for a degree	20

During the session fifty-six students completed the requirements for the degree of M.A.; eight those for the degree of Ph.D., and five those for the degree of M.D. The titles of the theses submitted for the degree of Ph.D. were as follows:—

G. H. Brother: "A Study of some Periodic Phenomena in Electro-Chemistry."

G. H. Duff: "The Development of the Geoglossaceæ."

W. R. Fetzer: "The Periodic Phenomena observed during the Electrolysis of Aqueous Solutions of Sodium Sulphate."

O. H. Gaebler: "Creatine and Creatinine."

T. C. McMullen: "Friedel and Crafts' Reaction:—The Intermediate Compounds formed, their Properties and Reactions."

H. A. McTaggart: "Electrification of Liquid Surfaces."

W. H. Martin: "The Scattering of Light by Dust-free Liquids."

P. M. O'Sullivan: "Studies on the Pathological Physiology of Shock."

It has been felt for some time that the organization of graduate studies under the direction of the Board of Graduate Studies did not sufficiently emphasize the importance of these studies in the work of the University. Graduate work seemed to be an addendum to the undergraduate work, rather than a logical sequence of this and a very important part of the University's work. It lacked the definite status of the undergraduate work conducted by the various faculties, and with a view to remedying this defect the Senate of the University appointed a committee to consider the reorganization of the graduate work carried on in the various departments of the University. This Committee, after much careful deliberation, brought in its report during the past year, and its recommendations were given effect by a statute of the Senate, approved by the Board of Governors.

By this statute practically all graduate work carried on in the various departments of the University is placed under the direction of a School of Graduate Studies, presided over by a Dean and composed of representatives of all those departments of the University that offer or conduct courses of graduate work. The School, through its Executive Council, has the supervision not only of the courses leading to the degrees of M.A., Ph.D. and M.D., which have been for some years under the direction of the Board of Graduate Studies, but also of the graduate work carried on by the Departments of the Faculties of Applied Science and Engineering, Education and Forestry. All departments of the University possessing facilities for graduate work are thus included in the School and will co-operate in the greater development and co-ordination of graduate studies as part of the recognized work of the University.

It is hoped that this new organization, which takes effect with the opening of the academic session 1922-23, will stimulate greater interest in graduate study and research and give such work the recognition it deserves in the curriculum of the University.

By the generosity of certain friends the University is able to offer, for the year 1922-23, seven fellowships to graduate students who wish to pursue studies in any of the courses leading to the degrees of M.A. or Ph.D., preference being given to graduates of Canadian Universities outside the Province of Ontario. Three of these fellowships have been provided by the Canadian Pacific Railway, one by the Imperial Oil Company and one each by Sir Edmund Osler, Sir Edward Kemp and Colonel R. W. Leonard. The following list gives the appointments to these fellowships for the year 1922-23, together with the Universities from which the appointees graduated and the department in which they will pursue their studies:—

Ethel Harris, B.A., British Columbia, Romance Languages.
A. W. Johnson, B.A., Manitoba, Mathematics.
A. L. Stevenson, B.A., British Columbia, English.
C. S. Beals, B.A., Acadia, Physics.
S. J. Dempsey, B.A., Manitoba, Political Science.
T. Butchart, B.A., Alberta, Mathematics.
J. W. Cohen, B.A., McMaster, Philosophy.

The Alexander Mackenzie Fellowships in Political Science and History have been awarded to: —

Adelaide Macdonald, B.A., Toronto, Political Science.
Ethel MacFarlane, B.A., Saskatchewan, History.

The James H. Richardson Research Fellowship in Anatomy has been awarded to: —

W. C. M. Scott.

The George Brown Memorial Fellowship has been awarded to:—
R. H. Macdonald, M.B.

The Ellen Mickle Fellowship has been awarded to:—
J. E. Bates, M.B.

The George Armstrong Peters Scholarships have been awarded to:—
R. I. Harris, M.B.
F. G. Banting, M.B.

(8) REPORT ON RESEARCH.

Anatomy, under Direction of Professor J. P. McMurrich.

I beg to present a report upon the work accomplished on the appropriation which was granted for research in the Department of Anatomy, last year. The moneys expended were partly for material, reagents and other equipment necessary for the carrying on of a research on the terminals of the bronchi in the human lung. In addition, the sum of $250.00 was used to increase the stipend of the holder of the James H. Richardson Fellowship. The holder of this fellowship last year was Dr. H. G. Willson, and during the year he was able to bring to completion his studies upon the terminals of the bronchi in the normal lung, and a paper giving his results was published in the *American Journal of Anatomy,* Vol. XXX. I am pleased to be able to say that, since the publication of this paper, Dr. Willson has received several appreciative letters from colleagues working on the same subject in various parts of the world. In addition to completing this piece of work, Dr. Willson made further studies of the bronchial terminals in the human lung in certain pathological conditions, and this work is now completed and will shortly be ready for publication. He also carried on studies of a comparative nature, which it is hoped he will be able to complete in the near future.

During the year, and with some assistance from the appropriation, Dr. Watt carried on and completed a study of the deposition of calcium salts in colloid media; hoping to throw some light, therefrom, upon the question of bone formation. His results have been brought together in the form of a paper which is in course of publication in the *Biological Bulletin* and should appear shortly.

Biochemistry, under Direction of Professor A. Hunter.

I have the honour to report as follows upon the progress of the research work undertaken by the Department of Biochemistry.

(1) Mr. J. A. Morrell has been engaged upon a study of the action of arginase upon arginine, and the possible application of this action in the determination of arginine. He has definitely ascertained the effect of varying temperature and reaction upon the enzyme, and has shown how to secure a quantitative decomposition of the amino-acid.

(2) Mr. R. G. Smith has completed successfully a study of the rate at which ammonia is liberated in the tryptic digestion of protein; and has made some preliminary experiments upon the action of erepsin in this respect.

(3) Mr. H. Borsook has elaborated methods for the preparation of globin and of its proteoses, has incidentally corrected some current misconceptions of the constitution of globin, and has improved existing methods for the analysis of proteins.

(4) My own researches have been concerned
  (a) with the preparation and testing of pure d-arginine,
  (b) the continuation of last year's work upon the separation, through butyl alcohol, of the products of the tryptic digestion of casein.

The first of these has led to the production of a product of greater optical activity than any heretofore reported. The second, which has proved of exceptional difficulty, is still unfinished.

The results of the year's work were so far of definite value that they could be incorporated in four papers which have just been presented to the Royal Society of Canada.

Biology, under Direction of Professor B. A. Bensley.

Progress was made during the year in various lines of research undertaken by individual members of the departmental staff. Some effort was directed towards placing the fisheries research on a more permanent basis, the larger portion of the research appropriation being used for this purpose. Previous work undertaken for the organization of the Fisheries Laboratory and for field work has resulted in a series of nine papers contributed by Messrs. Clemens, Coventry, Dymond, Adamstone, Bigelow, Harkness and Bensley, the technical numbers of which apply chiefly to Lake Erie. A new series of the University Studies to be designated separately from the Biological Series has been instituted for this purpose and for future publications in the limnological field. During the summer of 1921 a field party was maintained on Lake Nipigon in co-operation with the technical staff of the Royal Ontario Museum of Zoology and the Provincial authorities. The results so far as obtained are in course of preparation for publication and will form a second volume comprising papers on the physical features of Lake Nipigon, its fishes, plankton, bottom organisms, a systematic study of the mollusca, analysis of food materials, contributed by Professor Clemens and associates. Accessory papers on geological and physical features important to the fisheries work are being contributed by Dean Coleman and by Mr. Conner of the Dominion Meteorological Service.

Following is a summary of research other than limnological work now in progress or recently published:—

(1) Cytological studies on amphibian eggs, Professor Piersol.

(2) Morphological studies on orthopteroid insects, growth stages and breeding places of sub-arctic dragon flies, subcutaneous myiasis in infants with life history of the parasite, Professor Walker.

(3) Musculature of orthopteroid insects and studies of a new parasitic wasp, Miss Ford.

(4) Study and reconstruction of the baboon placenta, experimental modification of growth in amphibian eggs, Professor Coventry.

(5) Genetics of interspecific crosses, multiple factorial basis of size, experimental studies on the mode of action of certain acids on living substance, Dr. J. W. MacArthur.

(6) Respiratory reflexes, vascularity of the brain at different ages, neurological technique, Dr. E. H. Craigie.

(7) Experimental studies of peritoneal reactions in mammals, urino-genital anomalies, hypobranchial system in elasmobranchs, nematode development, Dr. W. H. T. Baillie.

(8) Preliminary classification of marine arthropods, Mr. M. I. Sparks, and the distribution of marine animals of Minas Channel, Cobequid Bay and the Schubenacadie River, Nova Scotia, Mr. A. H. Leim, under the supervision of Professor Huntsman. A number of students under the direction of Professor Huntsman were engaged with problems of marine biology and assisted in the summer work of the St. Andrews Biological Station, including, in addition to Mr. Leim and Mr. Sparks, Miss F. Fraser, Miss M. E. Reid, and Miss E. M. Taylor.

Botany, Under Direction of Professor J. H. Faull.

The Department of Botany has just closed an active year in research. The students who have co-operated with the staff comprise graduates of eight different institutions. The problems under investigation have covered a wide field of inquiry, and while they are not of an Experiment Station type, yet a large proportion of them deal with matters that are fundamentally related to plant industries, including Agriculture and Forestry. A strong stimulus has been imparted as a result of the support yielded by the Special Research Fund, the University, and the Dominion Advisory Board Scholarships. It is especially to the point to call attention to the fact that through these means some students and some instructors have been enabled to continue their work for the whole or a part of the summer, that is during the one season of the year in which plants can be best studied in their natural habitats and plant materials can be most advantageously obtained. That the public is taking a continuously increasing interest is evidenced by the larger number of inquiries coming to us from various quarters. The following account summarizes the work of the year; the publications from the Department appear in another part of this report.

1. Cryptogamic Botany, Mycology and Pathology under the Direction of Professor J. H. Faull.

Faull, J. H.

(1) A monographic study of the diseases of the balsam.

(2) The biology of the true tinder fungus, including studies on its parasitism in living timber. This work is nearly completed.

(3) Further studies on the needle blight of the white pine.

Duff, G. H.

(4) The development of the geoglossaceæ—a study of the developmental stages of various members of this family, their sexuality and their place in the natural classification of the fungi. This work is completed and a paper based on it will shortly appear in the *Botanical Gazette.*

Bell, H. P.

(5) Studies on the rusts of the balsam—new developmental and cytological studies and an account of new species discovered by him in northern Ontario. A first paper on this subject has been written and submitted for review.

Fritz, Miss C. W.

(6) Cultural diagnostic studies of timber-destroying fungi—an intensive laboratory investigation based on bacteriological technique.

Walker, A. R.

(7) Cytological studies on *Keithia thujina*—an interesting fungus parasitic on arbor vitæ.

(8) Cultural and physiological studies on a botrytis mold parasitic on hemp plants.

Berkeley, G. H.

(9) Comparative cultural and biochemical studies of several species or strains of botrytis. A considerable part of this work has been carried on in the laboratories of Biochemistry under the direction of Professor A. Hunter.

Macleod, C. H.

(10) Comparative anatomical studies on the heart-wood rots of balsam.

Moss, E. H.

(11) Development of *Collybia velutina*—a life-history study of a mushroom. A paper embodying the results of this completed work has been offered for publication.

(12) Observations on two poplar diseases. Notes embodying the results are to appear shortly in *Phytopathology*.

Currie, Miss M. E.

(13) Studies on the parasitism of the slime molds—an extensive investigation completed last September.

Adamstone, F. B.

(14) A structural study of a fungus found on balsam leaves—perfect and asexual stages.

2. Plant Physiology under the Direction of Dr. G. H. Duff and Professor J. H. Faull.

Raciot, H. N.

(15) Correlation between pruning and other injuries to the crown of a plant and the health and development of its root system—a fundamental physiological investigation.

3. Phanerogamic Botany, Genetics and Plant Breeding under the Direction of Professor R. B. Thomson.

A. Poisonous Plants.

Sifton, H. B.

(16) Anatomy of *Cicuta maculata* (Cowbane). The poisonous substance has been located in ducts in the stem, swollen roots and the rootstock. Peculiarities in the anatomical structure have also been found which will serve as a means of identification of this plant in the stomach of poisoned animals.

(17) Structural studies on the seed of wormseed mustard.
(18) Tests on sweet clover as a fodder in relation to stock poisoning.

B. Fossil Plants.

Thomson, R. B.

(19) Work is being carried out on the structure of the coal measure plants of Canada.

C. Wood Structure.

Wright, Miss J. G.

(20) Investigations on the structure of the conducting elements of vascular plants. The work on the lower vascular plants has been completed.

Sifton, H. B.

(21) Studies on the "bars" or "rims" of sanio in the wood of the gymnosperms.

D. Resin Tissue.

A comprehensive study of the character and distribution of the resin (turpentine) producing tissue of the pines and other conifers is being made by several collaborators. Experimental work is also being carried out with living material.

Hart, N. C.

(22) The origin of resin canals in the secondary wood.

Haining, Miss H. I.

(23) Resin canals in the primary tissues.

McCulloch, Miss M. V. and Miss J. M. McGugan.

(24) The distribution of resin canals under normal and traumatic conditions. Many of the results so far attained are completely at variance with previous ideas. Although the work has been undertaken from a purely botanical standpoint the facts and principles evolved have a direct bearing on the practice of resin and turpentine production for economic purposes. A joint memoir is under way.

E. Genetics and Plant Breeding.

Thomson, R. B. and collaborators.

(25) On the heredity of shape and colour in radishes.
(26) On the colour of portulaca flowers.
(27) On crosses involving annual and perennial habits.
(28) On hybridization of trees. A hybrid between a spruce and a balsam has been found with a blending of the wood structure of the two parents. This is the first instance of its kind to be recorded. The occurrence of this generic hybrid demonstrates the possibility of success with conifer breeding. The description will soon appear in the *Journal of Heredity.*

Chemistry, under Direction of Professor W. Lash Miller.

In Professor Ferguson's laboratory equipment has been installed during the session for the exact determination of transition temperatures, melting-points and specific heats of chemical compounds and solutions, designed by himself from experience gained in the Geophysical Laboratory of Washington. Papers on the melting-point of sodium chloride, and on the melting-intervals of certain under-cooled solutions, published in the Journal of the American Chemical Society, give the results of the first experimental work carried out with this apparatus. There is also under construction apparatus of a new type for determining the tensions and compositions of the vapours given off by mixtures of two volatile liquids: results have already been obtained with mixtures of benzone and hexane. The research on the stability relations of the iron oxides has made satisfactory progress, and the first results of a study of the passage of helium, hydrogen and other gases through glass and through silica have been published.

The researches longer established, viz.:—those on Friedel and Craft's Reaction (under the direction of Prof. F. B. Allan), on the scattering of light by liquids (Prof. F. B. Kenrick), and on the effect of chemicals on the rate of reproduction of micro-organisms (Prof. W. Lash Miller) have led to the publication of a number of papers in the scientific journals; researches on electro-chemical problems (Prof. J. T. Burt-Gerrans) and on the methods of Analytical Chemistry (Prof. L. J. Rogers) are under way. A list of the papers published from this department is given in Appendix E.

During the past year the degree of Doctor of Philosophy was awarded to four candidates from this department, viz.:—Messrs. G. H. Brother, W. R. Fetzer, W. H. Martin and T. C. McMullen. Ten obtained the degree of Master of Arts, viz.:—Messrs. R. C. Cantelo, R. L. Dorrance, D. M. Findlay, F. R. Lorriman, G. H. W. Lucas, H. C. Oddy, T. P. G. Shaw, A. E. R. Westman, K. L. Wismer, and Miss E. M. Taylor. The degree of Master of Applied Science was awarded to Mr. I. M. Logan on a research carried out in this department.

The following is a list of those engaged in experimental research in the Department of Chemistry during the past winter; one of them (Mr. T. C. McMullen) held a fellowship from the Honorary Advisory Council; one (Mr. G. W. H. Lucas) a studentship; and three (Mr. H. Oddy, Miss J. B. Lane, Miss E. Taylor) held bursaries. Fourteen were graduates of the University of Toronto and seven were graduates of other Universities; seven were undergraduate students of the fourth year.

Prof. J. B. Ferguson:—Thermochemical study of undercooled liquids.
Prof. J. T. Burt-Gerrans:—Concentration changes at the cathode during electrolysis of acid solutions of copper sulphate.
Prof. W. S. Funnell:—The partial pressures of tro-component solutions.
Anderson, C. M.:—The preparation of dust-free liquids.
Burwash, Miss F. M.:—The determination of phosphorus in phosphor-bronze.
Everest, T. E.:—The electrodeposition of copper and of nickel on aluminium.
Fetzer, W. R., M.A.:—The belectrolysis of aqueous solutions of sodium sulphide.
Findlay, D. M., B.A.:—Stability relations of the lower oxides of iron.
Gilbert, C. S., M.A.:—The superheating of liquids.
Gordon, C.:—Polarization during electrolysis of copper sulphate solutions.
Haas, E., M.A.:—Relative solubility of crystal faces.
Hamilton, C. H.:—Variations in the mechanical properties of aluminous
Heatley, A. H.:—A study of "throw" in copper plating.
Hoover, G. I.:—Equilibrium between iron hydrogen steam and iron oxides.
Lane, Miss J. B., B.A.:—Toxological determination of strychnine.
Logan, I. M., B.A.:—Reactions of zircon in the electric furnace.
Leaf, W. B., M.A.:—The behaviour of yeast towards methyl-violet.

Lorriman, F., B.A.:—The reaction of acenaphthene with phthalic anhydride, abrasives.
and aluminium chloride.
Lucas, G. H. W., B.A.:—Quantitative determination of bios.
Martin, W. H., M.A.:—Light scattering by dust-free liquids.
McMullen, T. C., M.A.:—The intermediate compounds in the reaction between phthalic anhydride, aluminium chloride and aromatic hydrocarbons.
Oddy, H., M.A.:—Maleic anhydride in Friedel and Craft's Reaction.
Ratcliffe, J. H., B.A.Sc.:—The limiting current in sodium sulphide solutions.
Rebbeck, J. W., M.A.:—The behaviour of glass on electrolysis.
Taylor, Miss E., B.A.:—The effect of acids on the rate of reproduction of yeast.
Westman, A. E. R., B.A.:—Characteristics of electric furnace arcs.
Williams, G. A., M.A.:—Diffusion of hydrogen and of helium through silica glass.
Wismer, K. L., B.A.:—Supersaturated solutions of gases.

Geology, under Direction of Professor A. P. Coleman.

GEOLOGY:—*Professor A. P. Coleman.*

Field work was carried on in the Rocky Mountains and in the Interior Plateau of British Columbia during July, August and part of September continuing the investigations begun in 1920 as to the extent and thickness of the Cordilleran Ice Sheet.

Professor A. MacLean has carried on experiments to determine the differential weathering of stone under natural and artificial conditions.

PALÆONTOLOGY:—*Professor W. A. Parks.*

During the summer of 1921 field work was done in the vicinity of Toronto, at Collingwood, and at Meaford in connection with the geology and palæontology of the Lorraine formation. An expedition was conducted in the bad lands of Alberta for Vertebrate fossils: this expedition was successful in securing several skeletons and major parts of dinosaurs and slabs with fossil leaves.

During the winter, with the assistance of Miss M. Fritz, B.A., the Cephalopoda, Gastropoda, and Vermes from the Toronto rocks have been described and figured. One of the dinosaur skeletons obtained by the expedition of 1920 has been figured and described in detail as a new genus and species under the name Parasaurolophus Walkeri.

Mr. W. S. Dyer.

Mr. Dyer made extensive collections of Richmond fossils on the Credit River and at Meaford during the summer of 1921. The Bryozoa of this collection have been examined during the winter: forty species are recognized of which twenty are new to science.

The publications issued by the Department are to be found under that heading.

Household Science, under Direction of Professor Annie L. Laird.

Miss Coatsworth, who has held the position of research worker, has started an investigation as to the solubility of enamel from enamelware cooking utensils. It was proposed that she repeat some previous investigations dealing with the solution of antimony, but so far, no samples have been procured which show soluble antimony. However, she has proved tin to be dissolved out in appreciable quantities under the action of certain acid foods. The amount dissolved under certain conditions is being investigated with a view to finding out whether the quantity is sufficient to make it undesirable to use enamel-ware for the cooking of acid foods.

Miss Graper has also been doing research, her subject being the effect of diet on the physical and mental development of undernourished children. She has worked with eight school children who were considered by both teacher and school nurse as below par both mentally and physically. One group of four children came for a noon-day lunch five days a week for a period of ten weeks, and then a second group came for a similar period. The results were in some cases quite striking. With regard to physical gains, one child gained seven pounds in three months and another over six pounds in the same time. The others did not make such rapid gains but all improved in physical condition and the teachers reported increased activity as a result of the feeding. Intelligence tests were used as an indication of mentality, and six out of the eight gained one year or more in mental age within the two or three months, one made only half this gain, while one boy, whose low mentality is probably hereditary, showed no improvement. The investigation seemed to show that proper feeding can do much to improve both the mental and physical condition of children who are below normal. It also indicated that some children who are thought to be feeble-minded are really not lacking in brain cells, but apparently their mental ability has not been developed on account of poor physical condition, and when this is improved the child appears normal.

Mineralogy, under Direction of Professor T. L. Walker.

During the past year Professors Walker and Parsons spent two months in field work in the trap regions of Nova Scotia studying the history of the traps and collecting material for a study of the rocks and minerals of the region. The work is being continued during the present year. As a result of this work considerable progress has been made in our knowledge of the conditions under which the rocks have been formed and in regard to the genesis of the zeolites contained in them. Professor Ellis Thomson has conducted investigations into the nature and distribution of telluride ores in Canada. Without the assistance of the research assistant, E. W. Todd, B.A., who conducted the necessary chemical work, it would have been impossible for the staff to carry this work to completion. The results of this work are being published, along with papers on other Canadian minerals, in a forthcoming *University Study*.

Palæontology, under Direction of Professor W. A. Parks

During the summer of 1921 another expedition was undertaken to the Red Deer River, Alberta, in search of fossil reptiles in that rich area.

The expedition acquired six major specimens besides many minor ones. The expedition of 1921-1922 resulted as below:

(1) Almost complete skeleton of an armoured dinosaur (Stegosaurus).
(2) Head and neck of a trachodon; probably a new species.
(3) Fair skeleton of a trachodont like cheneosaurus, probably new.
(4) Large skull of a form like anchiceratops—5 ft. 6 in. long; new.
(5) Fragmental skeleton of a carnivorous dinosaur.

During the past winter the skeleton of parasaurolophus walkeri was mounted and the description will appear in *University Studies* at an early date. This new genus and species has been called by Dr. Gilmore "One of the most remarkable dinosaurs ever discovered."

In Invertebrate Palæontology the third part of a series on the geology and palæontology of the Toronto District was prepared by Miss M. Fritz and myself. This contribution is now in press. Mr. W. S. Dyer worked on the bryozoa of the Credit River: he has identified forty-two species where only a few were known before and has described fifteen new species and four new varieties.

Physics, under Direction of Professor J. C. McLennan.

A. Researches under the general direction of Professor J. C. McLennan.

(1) On the excitation of characteristic X-rays from light elements.

By Professor J. C. McLennan. F.R.S., and Miss M. L. Clark, B.A.

In this investigation critical potentials have been determined for lithium, beryllium, boron, and carbon. From these the critical absorption wave lengths of the K and L series have been deduced for the four elements.

(2) On the Liquefaction of Hydrogen and of Helium.

By Professor J. C. McLennan. F.R.S., and Mr. G. M. Shrum, M.A.

In this investigation steady progress has been made during the past year in the problem of liquefying hydrogen and helium. The newly designed apparatus for purifying and liquefying hydrogen has been constructed and erected. In order to make the equipment complete a compressor which has been constructed and is now en route to Toronto must be installed. The newly designed apparatus for purifying and liquefying helium has been constructed and is at present being erected.

(3) On the Structure of the Wave Length $\lambda=6708$ å.u. of the Isotopes of Lithium.

By Professor J. C. McLennan, F.R.S., and Mr. D. S. Ainslie, M.A.

With a vacuum arc in lithium vapour it was found that the wave length $\lambda=6708$ å.u. consisted of two close doublets. The investigation has led the authors to the conclusion that these two doublets originate in the two isotopes of lithium with atomic weights six and seven.

(4) On the Absorption of the Wave Length $\lambda=5461$ å.u.. and of its Satellites by Ionised Mercury Vapour.

Professor J. C. McLennan, F.R.S., Mr. D. S. Ainslie, M.A., and Miss F. M. Cale, B.A.

In this investigation it was found that ionised mercury vapour could not be made to absorb any of the components of the wave length $\lambda=5461$ å.u. except the main line and the two satellites closest to it. Certain considerations lead to the view that the absorption of these components is possibly due to the fact that mercury consists of a series of isotopes with atomic weights 197-200, 202, 204.

(5) On the Prism Method of Determining the Refractive Indices of Metallic Vapours.

By Mr. H. Grayson Smith, B.A.

In this investigation the author has found that fused quartz prisms are not suitable for determining the refractive indices of the vapours of metals having high melting points, such as calcium. Investigation has shown, however, that the refractive indices of the vapours of metals having high melting points can probably be obtained by the use of a Jamin interferometer provided with vapour tubes of fused quartz.

(6) On the Photography of Infra-red Spectra.

By Mr. V. P. Lubovich, and Miss E. M. Pearen, B.A.

In this investigation the absorption of various dyes for staining photographic plates was measured. The absorption by various filters was also investigated. Spectrograms were made of the infra-red spectrum of mercury up to 11,000 å.u., with plates dyed and treated in various ways. The structure of the wave length λ=10,140 å.u., was investigated.

(7) On the Application of the Theory of Magnetism to the Calculation of Atomic Diameters.

By Mr. J. F. T. Young, M.A.

In this investigation the magnetic constants of the elements have been collected and some interesting relations noted within the groups of the periodic system. An application of the Langevin-Weiss theory of magnetism has led to the evaluation of the atomic diameters of the diamagnetic elements based on the atomic models of both Bohr and Langmuir.

(8) The Destruction by Ultraviolet Light of the Fluorescing Power of Dilute Solutions of Æsculin.

By Miss F. M. Cale, B.A.

In this investigation experiments were performed on the fluorescence of dilute solutions of æsculin. It was found that (a) the intensity of fluorescence reached a maximum with increasing concentration, (b) On exposing the solution to ultraviolet light the rate of decay was rapid as first, then decreased as the solution was weakened by exposure to the light. (c) The solutions continued to decay very slowly after even a short exposure and in time lost all their fluorescence. (d) Ozone passed through the solutions renders them non-fluorescent.

(9) On the Photoelectric Conductivity of Diamond and other Phosphorescent Crystals.

By Miss M. Levi, B.A.

In this investigation the spectrophotoelectric property of crystals was examined. It was found that: (a) Of six diamond crystals examined, only two show a change in electrical conductivity when exposed to light. (b) The curve between photoelectric current per unit of exciting light energy, and wave length of exciting light, shows a number of maxima with rise in sensitivity in the ultraviolet, terminating in a maximum at 2,536 å.u. (c) The diamonds which were photosensitive show unidirectional conductivity. (d) All the diamonds were fluorescent, and one of the photo-sensitive crystals was phosphorescent. (e) No photoelectric effect was obtained with crystals of fluorescent kunsite or willemite.

(10) On the Low Voltage Arc Spectrum of Argon and on the Absorption Spectrum of Argon.

By Mr. W. W. Shaver, M.A.

The low voltage arc spectrum of argon has been studied using variously speeded electrons from a hot tungsten filament as the means of exciting the arc spectrum by their bombardment of the atoms of argon gas. Photographs of the spectra of radiations produced by the electronic bombardment have been obtained, the accelerating field varying from 10 to 115 volts. The spectrograms show that at about 15.5 volts the red argon spectrum appears and when the voltage is increased the blue spectrum is brought out as the accelerating field is varied from 30 to 37 volts. Some additional lines appear when the voltage is further increased and the relative intensities are also changed as is shown by a comparison of the photographs taken at 54 and 115 volts.

With a mixture of eighty per cent. argon and twenty per cent. nitrogen the absorption spectrum of these mixed gases (unexcited) was photographed, the pressure of the absorbing column being 128 atmospheres. No absorption was evident from the wave lengths $\lambda=7,000$ å.u. to $\lambda=2,100$ å.u.

The absorption spectrum of pure argon in a quartz tube at pressures from 12 cm. to .5 cm. of mercury was studied, the gas being excited in various ways by different types of electric discharge. No absorption was observed.

(11) On the Crystal Structure of Heusler's Alloys.

By Mr. J. F. T. Young, M.A.

In this investigation the crystal structure of the elements manganese, copper, and aluminium has been investigated by the use of X-rays. Progress is now being made on the investigation of the crystal structure of Heusler alloys by the same method.

(12) On the Explosion pressures generated by Mixtures of Various Gases and Vapours.

By Mr. H. J. C. Ireton, M.A.

In this investigation explosion pressures are being investigated by means of deflections given to cathode rays by the charges generated on the faces of piezo-electric crystals by the pressures to which the latter are subjected. The investigation will include the study of the explosion pressures generated by mixtures of certain simple gases and by mixtures of gases with the vapours of various constituents of petroleum.

(13) Recoil Phenomena in Various Gases.

By Mr. W. C. McQuarrie, M.A.

In this investigation an attempt is being made by the method of C. T. R. Wilson to photograph the cloud tracks of alpha rays and the recoil particles produced by their impact. In particular, experiments are being made with the gases oxygen, nitrogen. helium and with compound gases containing carbon. The object of the experiments is to determine the structure of the nuclei of atoms of the elements mentioned.

(14) On the Refractivity of Air and Oxygen at High Pressures.
By Professor John Satterly, and Miss H. I. Eadie, B.A.

The object of this investigation is to determine the refractivity of air and of oxygen at very high pressures over as wide a range of wave lengths as possible.

(15) Spectroscopy:—A Series of Investigations.
By Professor J. C. McLennan and Mr. D. S. Ainslie.

This series of investigations is being carried out with the object of determining the series spectra of such elements as lead and tin, and the extreme ultraviolet spectra of the alkali metals and other elements.

(16) Electrodeless Discharge in Sulphur.
By Mr. D. S. Ainslie, M.A.

In this investigation the spectrum of sulphur is being investigated by the use of the electrodeless discharge.

B. Researches under the Direction of Professor E. F. Burton.

The work in research on colloidal solutions is a continuation of that already reported. These problems are receiving attention at the present time:

(1) An improved method whereby the centrifuge is used to indicate in a short time the coagulating power of electrolytes on colloidal solutions: measurements have been made to standardise the method.

(2) An exhaustive series of experiments is under way to determine accurately the effect of viscosity on the mobilities of electrolytic ions and colloidal particles.

(3) Experiments to determine the effect of agar agar and various proteins on the charge possessed by a colloidal particle: this latter work has a bearing on certain colloidal tests carried out on cerebrospinal fluid.

C. Researches by Dr. John Satterly.

(1) The Law of the Crookes' Radiometer.
Experiments have been made to decide between the theories which Crookes and Reynolds advanced to explain the action of the radiometer.

(2) Comparison of a Capillary Flow Meter and a Gas Meter. In this investigation comparisons have been made over large ranges of flows and pressures. The point where instability of flow sets in is being carefully studied; also the variation of the critical velocity with temperature. This last has an important bearing in the study of the viscosity of gases.

D. Investigations being carried out by Professor H. A. McTaggart.

The investigations being carried out include an examination of the natural electric charge found to exist at the surface of ionising fluids.

The research has thus far dealt with the charge at the surface of certain aqueous solutions in contact with air, the method employed being to observe the motion under an electric field of small bubbles of gas in the solution. The results have been published in the *Philosophical Magazine* and in a thesis presented for the degree of Doctor of Philosophy.

Questions that have come up during the research are:

(1) The possible variation of the charge with the curvature of the surface.

(2) The measurement of the effect on the surface charge of certain colloids in the liquid.

E. Researches by Professor Gilchrist.

(1) The extension of the Mathematical Theory of the width of X-ray Spectral Lines.
By Professor L. Gilchrist.

(2) On the Effects produced by X-rays on Certain Organisms.
By Professor L. Gilchrist, in collaboration with Professor Speakman and Miss Howell.

Physiology, under Direction of Professor J. J. R. Macleod.

During the academic year 1921-22 research in the Department of Physiology has been actively engaged in by all members of the teaching staff as well as by Drs. Fidlar, Banting and Hepburn, who became associated with it for this purpose. Dr. Fidlar is supported by a grant from the research appropriation, Dr. Banting gave all of his time during the summer months, being paid from the same fund, but during the teaching months he held a teaching appointment in the Department of Pharmacology. Dr. Hepburn was W. T. Porter Research Fellow of the American Physiological Society, and it is a compliment to the University of Toronto that this Society should have made the first award of this scholarship to one of its graduates.

The most outstanding results have been obtained in the work initiated by Dr. Banting. In collaboration with Mr. C. H. Best, M.A. a research fellow, he found that an extract could be prepared from partially degenerated pancreas having the effect of lowering the percentage of blood sugar and the amount of sugar in the urine of dogs rendered diabetic by removal of the pancreas. Similarly active extracts were then prepared from fœtal pancreas, and finally with the collaboration of J. B. Collip (on leave of absence from the University of Alberta), an extract was prepared from ox pancreas that was suitable for administration to patients. This extract—styled insulin—was then tested in the Medical Clinic of the Toronto General Hospital (in cases under the supervision of Drs. W. R. Campbell and A. Fletcher) and found to be capable of removing all the cardinal symptoms of the disease. As an outcome of these results the investigation was extended and E. C. Noble, M.A., a research fellow, J. Hepburn, M.B. and J. Latchford, M.B. participated in it. As a result of excellent team work, a thorough survey was made of the exact physiological effects of insulin, and among other things it was found to have a profound influence, not only on the sugar of the urine, but also on the respiratory quotient, indicating that it affects the ultimate oxidation of glucose, on glycogen formation, in the mobilization of fat and on the glucose consumption by the heart. It was also found to cause characteristic symptoms on rabbits, when given in excess, and the danger signals of these symptoms were worked out and the method for completely antidoting them discovered. This discovery has found invaluable application in clinical practice. Methods of dosage and of large scale preparation were also investigated and in this work the facilities of the Connaught Laboratories were generously made available. The results of these investigations have appeared in the following publications:—

1. Banting & Best. Journal Laboratory and Clinical Medicine vii, No. 8.
2. Banting & Best. Ibid.
3. Banting, Best & Macleod. Am. Journ. Physiol. lxii, p. 162.
4. Banting, Best & Collip, Macleod & Noble, Trans. Roy. Soc. Comm. May, 1922.
5. Hepburn & Latchford. Am. Journ. Physiol. lxii. 177.
6. Banting, Best, Collip, Macleod & Noble. Ibid. 162.
7. Banting, Best, Collip, Campbell & Fletcher. Journ. Can. Med. Assoc., March, 1922.

Successful investigations have also been carried out by Professor J. M. D. Olmsted, working in collaboration with Dr. W. P. Warner. They have found that the latent periods of reciprocally acting muscles are not identical, and have suggested a satisfactory explanation for this result. The application of the "all or nothing" principle in spinal reflex action was also investigated.

Dr. N. B. Taylor has continued his investigations on blood flow in the hands and feet, and on the spread of temperature changes in the tissues. Dr. Taylor also published observations on a student who could voluntarily accelerate the heart's action. The results of the above researches have been published as follows:

Olmsted and Warner	Am. Journ. Physiol. LXI, 106
Taylor	Journ. Lab. & Clin. Med. VII.
Taylor	Am. Journ. Physiol. LXI, 135.

In the early part of the session a paper on the relative values of the so-called hormone and the nervous control of the respiratory centre was published, embodying investigations made with S.U. Page, partly during the previous year. Macleod & Page, Am. Journ. Physiol., LX, 134.

Psychology, under Direction of Professor G. S. Brett.

Three problems have been worked on:

(1) Measurement of muscle action—a comparison of flexion and extension efficiency of the wrist.

(2) The application of Group Intelligence Tests to selected Public School, Collegiate and College pupils, and of Emotional Stability Tests to College students taking Psychology.

(3) A minor study in visual perception.

Through the services of Miss Hearn, research assistant, the computation of the results in (1) has been completed and the results are now being prepared for publication.

The work upon tests has already led to very practical results in the school where it was conducted and the principles require to be thoroughly worked out to permit of extension to other schools. This is now well under way. More advanced tests were given to 240 collegiate pupils and 400 first year students in Arts. These results are now ready to be correlated with the pupils' standing for this year, upon which the conclusions regarding the tests will be based. The standardization of emotional stability tests has been carried out with approximately 250 students of Arts and Medicine. The compilation of the above results has been made possible by the purchase of a Monroe Calculating Machine out of our research grant for this year.

Investigation upon the mobility of intensive changes in the field of vision has been conducted by Mr. Couch, fourth year student of Honour Biology and Medicine, who selected Psychology for his six hours' special study per week.

Zymology, under Direction of Dr. H. B. Speakman.

During the past academic year the laboratories of the Department have been fully occupied by the following groups of students:

4th year Chemical Engineering, thesis work	3
4th year Arts, Chemistry, thesis work	2
M.A. candidates	3
Ph.D. candidates	2

The nature of the problems which formed the basis of our work is as follows:

(*a*) "The biochemistry of the bacterial association, B, granulobacter pectinovorum, bacterium volutans."

(*b*) "The nitrogen metabolism of B. granulobacter pectinovorum."

(*c*) "Influence of initial H-ion concentration on the production of acetone from carbohydrates."

(*d*) "Relationship between molecular structure and acid production during the fermentation of sugars by bacteria."

(*e*) "Influence of X-rays on the growth and morphology of mucor mucedo."

(*f*) "The effects of sodium chloride on the growth and metabolism of yeast."

The work in connection with the use of X-rays is being done in collaboration with workers in other departments. The problem is part of the programme of the University Medical Research Committee of the Department of Health, Ottawa.

At the close of the academic year Mr. Luck was awarded the 1851 Scholarship for his work in connection with the yeast problem.

Medical Research

The following work was undertaken during the past session in the laboratory of the Committee of Experimental Research. Some of this work is not yet completed:—

Drs. Banting and Best: Research in transplantation of the pancreas.

Dr. O. H. Gaeblar: A research in creatinurea.

Professor H. B. Speakman: The influence of X-ray on cell activity.

Dr. R. D. Rudolf: Investigation of the degree of absorption of arsenic injection in the spinal meninges.

Drs. R. I. Harris and Tisdale: Factors which influence the deposition of bone in normal and pathological conditions.

Drs. C. B. Parker and E. E. Shouldice: The effect of intravenous and interstitial fluid in the treatment of ileus.

Dr. Costain: Experiments in the treatment of general peritonitis.

Dr. F. F. Tisdale: Investigations in rickets.

Dr. E. A. Bott: The objective measurement of emotional processes in terms of a psycho-galvanic reflex.

Dr. A. P. Hart: Experiments in rheumatism.

Drs. Gallie and LeMesurier have published, during the year, papers on the result of experimental work in the laboratory. The papers had to do with the use of facial sutures. Drs. Tisdale and Harris have published together and separately, papers relating to the production of bone, and the calcium and phosphorate content of the blood. Dr. Costain has a paper in now for publication on the treatment of general peritonitis by means of draining the thoracic duct.

School of Engineering Research, under Direction of the Faculty of Applied Science and Engineering.

The School of Engineering Research has made very encouraging progress during the past academic year. Bulletin No. 2, containing seventeen original papers from four departments of this Faculty, appeared during the year, and was given a wide circulation among the engineering profession, industries, educational institutions, libraries, etc. The favourable reviews of the papers of Bulletins Nos. 1 and 2 appearing in technical journals has led to an increasing demand for the separate papers by engineers and researchers pursuing similar lines of investigation or desirous of obtaining new information regarding particular subjects. This has led the editorial committee to decide to issue all subsequent bulletins in sections, each section dealing with a single investigation or group of related investigations, the sections published during the year being then bound together so as to constitute the main bulletin.

The success of the School as measured by the actual results of researches, and the favourable reception which the papers embodying these results have received in many different quarters, has been very gratifying, and is indicative of the steady development of the School.

Another criterion of the effectiveness of this research movement within this Faculty is its growing influence upon the undergraduate body. This is shown by the increased interest of the students in the work of the School. This was, of course, to be expected, especially when the results of investigations carried out in our laboratories by the teachers themselves, are incorporated into the lectures and laboratory work of the undergraduate courses. The student is thus brought into direct contact with the method of development of his science. In view of this, it is not surprising that the number of students returning for post-graduate courses in research, and for advanced degrees in this Faculty, is increasing. This is one of the most hopeful signs, and points to the day when graduate work of research will constitute a much larger phase of the Faculty's activities.

It will be seen from the accompanying copy of Bulletin No. 2, that new and important contributions have been made to the following subjects:

Aeronautics, by Professor J. H. Parkin.

Sewage Disposal, by Professor P. Gillespie.

Current Transformers, by Professor H. W. Price.

The Determination of True Net Sections of Riveted Tension Members, by Professor C. R. Young.

The Proportioning of Concrete Mixtures, by Professor P. Gillespie.

These papers have been very favourably commented upon by engineers throughout the United States and Canada, as constituting valuable additions to our knowledge in these fields.

The following researches have also been in progress, some of which have been completed and will appear as sections of Bulletin No. 3, which is now in the press:

I. *Civil Engineering*:—

Professor Stewart:

An investigation of a modification of Talcott's method of determining latitude, with a view to fixing our latitude with the greatest precision, and to detect the effect of atmospheric conditions on such determinations, the variations of latitude, etc.

Professor Young:

(1) An investigation of the torsional strength of beams of plain and reinforced concrete. Two papers containing the results were published in the *Canadian Engineer.*

(2) An investigation of the effect of torsion on steel "I" sections.

(3) The determination of the economic form of concrete conduit sections.

Professor Gillespie:

(1) A study of economical designs for the external walls of covered reservoirs.

(2) A study of the kiln-drying of woods. This investigation is being carried out in co-operation with the Furniture Manufacturers' Association, and the experiments are conducted partly in the manufacturing plants and partly in the University laboratory. Gratifying results valuable to the industry have been obtained.

Professor Loudon:

Investigation of riveted sections by the photo-elastic method.

II. *Mining Engineering*:—

Professor Haultain:

The problem of the energy consumed in rock crushing is being investigated. The crushing rolls and integrating dynamometer required for this work have been constructed by the aid of funds from the Advisory Research Council of Ottawa.

Professor Haultain and Professor Dyer:

(1) The photographic analysis of ball paths in tube mills by means of the ordinary camera and the ultra-speed cinema camera has been continued.

(2) Quantitative work upon the problems of efficiency and capacity in ball milling is being continued.

Professor King:

(1) The research on the determination of graphite in graphite ores has been completed, resulting in improved apparatus and methods.

(2) The problem of cupellation losses as affected by draught is being investigated.

Professor Dyer:

An apparatus has been devised for the rapid determination of magnetite or pyrrhotite in ore.

III. *Mechanical Engineering*:—

Professor Angus:

(1) Experiments on the flow of steam through orifices.

(2) The rate of heat transfer from cast iron radiators.

(3) The construction of heater tables.

(4) An investigation of hydraulic turbines and draft tubes. Part of the apparatus for this investigation was kindly donated by the Dominion Engineering Works, Montreal, and the Wm. Cramp & Sons Co., Philadelphia.

Professor Allcut:

Experimental investigation of the possibility of replacing gasoline by producer gas made from coal as a source of motive power for commercial vehicles.

Professor Parkin:

(1) The wing tip research has been continued. Suggestions arising from the previous research have been developed and investigated. Three reports have been prepared.

(2) Extensive investigation has been conducted of thick tapered wings suitable for internally braced monoplanes. Three reports have been prepared.

(3) Investigation of the effect of grooving an aerofoil.

(4) Various methods have been developed for the simplification of computations in aerodynamic work. Two reports have been prepared.

(5) An investigation has been commenced with the object of developing improved high efficiency thick aerofoil sections for commercial aircraft. A report is in preparation.

(6) An exhaustive investigation with Mr. J. Patterson, of cup anemometers. Results have been communicated to the Royal Society of Canada and other scientific bodies.

IV. *Chemical Engineering*:—

Professor Ardagh:

An investigation of the cause of discolouration in corn oil soap, and an endeavour to prevent it.

Professor Bain:

(1) An endeavour to discover a cheaper method for the recovery of zirconium from its ores. A report will be published shortly.

(2) An investigation of the thermal effects observed in the reciprocal salt pair $KCL—NaNo_3$. The results will be published shortly.

(3) An investigation of the system $K_2CO_3—Na_2CO_3$.

Professor Boswell:

(1) The relative vapour pressure lowerings of some aqueous solutions were measured by an improved method. Published in *Canadian Chemistry and Metallurgy*.

(2) Experimental work upon the catalysis of the hydrogenation of unsaturated compounds by means of nickel led to the advancement of a new theory regarding the mechanism of such reactions. Published in the "Transactions of the Royal Society."

(3) Some new rubber reactions were discovered which led to the suggestion of a new constitution for rubber. Published in the "Transactions of the Royal Society."

(4) A general reaction was discovered by which it was found possible to prepare some dyestuffs of new constitution. This work is still in progress.

(5) An investigation of the mechanism of catalysis by platinum.

V. *Electrical Engineering*:—

Professor Price:

An investigation of automatic frequency controllers including auxiliary apparatus adapted for various sources of service.

VI. *Metallurgical Engineering*:—

Professor O. W. Ellis:

The influence of transition points, transformation ranges, and other factors upon the malleability of steel is being investigated.

Dental Research, under Direction of the Committee on Dental Research.

A report in the Department of Dental Research can only be a recital of the efforts of the late Prof. J. J. Mackenzie who had been on the staff of the Royal College of Dental Surgery for over twenty years and for a longer period Professor of Pathology in the University of Toronto. It is only after he has gone that the Department of Dental Research has learned of his extensive investigations and their value to the general public. He left enough work planned to engage the attention of the department for years. His viewpoint was large and his work thorough.

Dental Filling Materials as Barriers to Bacteria.

In recent years it has been shown that many systemic diseases have their origin from infections around the roots of teeth. It has been thought that such infections often go directly from the mouth through fillings to the root ends. This point has been settled by the researches of the department as well as many other related problems. The findings will direct the practice of dentistry along different lines in the matter of the selection of tooth and root filling materials. A report of the researches on this problem is now ready for publication and will stand as a monument to Professor Mackenzie's work in the interests of science and humanity.

The Influence of Diet on the Human Teeth.

Experimental feeding of animals and observations on the teeth of others have shown that diet has much to do with the quality of tooth structure. Just how great an influence has not yet been determined. This work is still in progress.

Tooth Root Infections and Streptococcus Viridans.

In collaboration with Dr. R. B. Gardiner, Miss J. C. Fraser has made hundreds of innoculations from diseased tooth root ends to determine what are the most frequent organisms present. It is remarkable that over ninety per cent.

of those found are of the streptococcus viridans type and these are variable in their toxicity. It is this form of organism which causes many deaths. Investigations are to be continued on the problem.

The funds to carry on dental research in the University are obtained from certain royalties on patents, designs, and copyrights in connection with mouth preparations and tooth brushes put on the market by the Canadian Oral Prophylactic Association.

The Association is a non-profit-sharing organization for the promotion of Dental Education of the profession and of the public. Its funds are given to the University to promote these objects. The University established a Department of Dental Research under the direction of a Committee appointed by the Board of Governors to give effect to the project.

(9) PUBLICATIONS.

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"The Ciscoes of Lake Erie". (*Canadian Fisherman*, Vol. IX).
"A case of Complete Hermaphroditism in a Bullfrog". (*Anatomical Record*, Vol. 22).
"Hydra in Lake Erie". (*Science*, Vol. LV, No. 1426).
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(10) REPORT OF THE LIBRARIAN.

(*H. H. Langton, Esq., M.A.*)

I beg to submit the following report on the Library for the year ending June 30th, 1922.

The number of volumes added to the Library during the year is 9,440 and the number of pamphlets is 2,851, making a total of 177,858 bound volumes and 57,027 pamphlets in the Library.

The statistics of the use of the Library by students, with comparisons of the two previous years, are as follows:

	1919-20	1920-21	1921-22
Number of day books	41,128	41,483	41,928
Number of books taken out for the night	16,583	17,321	18,996
Number of books taken out for a week	4,589	4,687	4,792
Average number of students in Reading Room at any one time	77	75	75

The use of the Library, as the above figures show, is gradually increasing. During the past year on more than one occasion the number of students was in excess of the number of seats, and one of the two additional reading rooms in the basement was temporarily opened to accommodate them. It is desirable that one at least of these rooms should be constantly available, according to the plan already prepared by the Librarian and approved of by the Library Committee. The object, however, being not only to provide more seating accommodation for readers, but to relieve congestion at the delivery desk, it will be necessary in order to achieve this end that additional assistants be provided for supervision of the third room, in which reference books and text books in certain subjects will be kept to relieve the pressure on the delivery desk upstairs. Until the funds of the University permit of the employment of the additional assistant or assistants, the present congestion at the desk, with its accompanying inconvenience to readers, must continue.

To complete the statement, however, of the use of the Library, it will be necessary to add that graduates of the University are allowed to borrow books on making a deposit roughly commensurate with the value of the books they borrow. This practice was begun in a small way some years ago. The number of graduates enjoying the use of the Library in this way has increased year by year until at present we have 426 graduates on our list who have made deposits and are constantly drawing books from the Library in their own names. During the year also a proposition was made by the Ontario Medical Association that members of the Association in good standing should be allowed to borrow books from the University Library on the guarantee of the Association. This proposal was accepted and an agreement made between the Association and the University to that effect.

The increased cost of books and periodicals in all countries since the war has fully kept pace with the increased appropriation for the purpose made by the Board of Governors, so that a further increase in the appropriation is urgently needed in order to meet the demands for more extensive purchases from most, if not all, of the departments of study. In addition, the opportunities now provided by economic conditions in Europe for filling up deficiencies in the Library has led members of the teaching staff to press for special purchases from second-hand dealers in European countries, which they rightly regard as chances not likely to occur again. Many advantageous purchases on these lines were made during the past year, and the Board of Governors has authorized the Librarian to spend in Europe a portion of the appropriation for the next year for the same purposes. The process of economic reconstruction in most of the European countries is forcing upon the market many private libraries and even some University collections. Many Librarians of American Universities have already visited the European countries in order to pick up for their Libraries valuable sets and standard works of reference at comparatively low prices, and it is expected that the forthcoming visit of the Librarian to Europe on the same errand will result in similar useful additions to the University Library. During his absence the management of the Library will devolve upon the Associate Librarian, Mr. W. Stewart Wallace.

(11) REPORT OF THE DIRECTOR OF THE SOCIAL SERVICE DEPARTMENT

(*Professor J. A. Dale.*)

The past session has been very encouraging. It was the second year of the full (two-year) diploma course, and satisfactory progress has been made in its consolidation. The one-year course was inevitably overloaded, because of the attempt to include the essential subjects. It is now possible to transfer many of these to the second year, to the very great advantage of the students; and at the same time to make a more thorough and better balanced training. It is our confident hope that the experience of the students will convince them that the extra time spent in training is a very good investment; and that those who have to employ social workers will see its value also. It is one of the functions of the Department to influence public opinion in this direction, for the sake of the efficiency of social service. We hope that the course will be increasingly taken, in whole or in part, by men and women who will have it in their power to influence the policy of institutions, public or private, which are responsible for any phase of social work.

The registration of full-time students was fifty-five (forty-six first year, nine second year), of whom forty-three were successful (thirty-five first year and eight second), one first year student being conditioned in one subject. There were 100 part-time students. 155 nurses took the Medical Social course, of whom 143 were successful. The total registration was 310, and the number of certificates awarded 183.

It is a pleasure to record the cordial co-operation which we receive from the agencies upon whom we call for the practice work of our students. No fewer than thirty-five supervisors give careful attention to this work, placing at our disposal the resources of their agencies and of their own skill and experience—a co-operation valuable not only to the University and to the agencies, but to the progress of the social service of the community.

The special courses have been of great interest. One, dealing with the social aspects of Housing and Town-planning, formed part of the course arranged by Professor Berrington, of the Department of Architecture, and largely attended by architects and engineers in the Province. Another, dealing with the various aspects of Social Hygiene—moral and psychological, medical, legal, educational, recreational—was given at Hamilton for the Social Hygiene Council of that city, to crowded audiences. A course of six lectures, outlining the ideals and methods of modern philanthropy, was given as part of a course arranged by the Canadian School of Missions for missionaries on furlough. A series of three lectures, arranged with the same object, was given to the graduating class of Bishop Strachan School. The Director has delivered a large number of addresses in town, besides visiting Montreal (twice), Hamilton, Brantford, Campbellford, and Belleville. Public lectures this session were given by Professors Muirhead and Holborn, and Mr. Mansbridge.

A considerable part of the time of the permanent staff is spent on committee work for social agencies which have invited our co-operation. This we are glad to do, both for the sake of building up the field work, and to strengthen the place of the Department as an integral part of the social activities of the community. This year also the Department has taken the initiative in the foundation of a Canadian Association of Social Workers, which will probably be organized to serve also as an employment exchange. There is no question of the value of such an organization to the standards of social work, and it provides as well a much-needed medium whereby agencies can get into touch with available workers, and *vice versa.*

I have to draw attention to the fact that the Library Fund (a sum of $2,000 provided in 1918 by the McCormick Estate) is exhausted. This generous gift has enabled us to lay the foundation of a good working library. The books need to be re-catalogued and the periodicals and pamphlets brought up to date; and unless a fresh donation is forthcoming, means will have to be found to enable us to buy new books, and keep up subscriptions.

We have been giving special attention to the training of men for work with boys. Seventeen registered this session, of whom nine completed their course and six were awarded certificates, eight having entered as part-time students specially for boys' work. There is evidence of a growing demand for trained leaders, and the students are anxious to take more practical work under supervision if it can be arranged: their practice consisted for the most part of the unaided conduct of clubs, in which they get experience, but no guidance. This need can only be met, as it has been for family and child welfare, by the appointment of a director who will be responsible for the assignments and give students the benefit of his oversight and instruction, and by building up a list of leaders in the city who are willing to have the students as apprentices. Arrangements are being made, but are not yet complete, to carry out this plan for next session as a temporary measure, by making a part-time appointment and starting a list of supervisors. During this experimental year there will a standing committee on training for boys' work. In developing the course, the general principles of the Department will be followed, and the training preserved from specialization in boys' work alone, still less in any one type. To quote the calendar: . . . "the course is planned in the belief that a thorough training for any kind of social work must be based on the study both of the whole social organization, and of individual and family problems. It is highly desirable that the student should gain a working knowledge of the leading forms of social service, in whatever form his future work may lie."

We have been glad to be able to give some lecture-room and reading-room accommodation again this year to the Department of Public Health Nursing. The close alliance of the two Departments was pleasantly exemplified in our joint closing exercises.

(12) REPORT OF THE DEPARTMENT OF PUBLIC HEALTH NURSING.

(*Miss E. K. Russell, B.A.*)

The second year of the Department's work has now been completed and has been marked by some encouraging features.

ATTENDANCE. Somewhat contrary to expectation a large class was again enrolled. In 1920-21 the Department had the unprecedented experience of registering fifty students in its first class, and during this second year the enrolment was forty-four, a slight reduction only, and that in spite of the fact that we raised the entrance standard so that many nurses who wished to enter were unable to qualify. This evidences a marked interest in this training course and a very real demand for it in Toronto. The latter fact is emphasized by the large number of Canadian women who have returned from American hospitals to take this special public health training in Canada. A further point of interest in connection with the enrolment is the number of students who came to us from the Provinces of Canada other than Ontario. It is recognized throughout the country that Toronto is carrying on an unusually good type of public health work, and the nurse who wishes to train for this field is glad to do so in the midst of such surroundings. The number enrolled in the Toronto course in one year has been about equal to the total number in the four other Canadian colleges which offer a similar course. These large numbers may not be altogether a good thing at the beginning of such work, but they are facts which are significant and must be noted.

In May, forty of these students received the Diploma of the Department while two more were conditioned. In addition, there was throughout the year a registration of thirty-three occasional students attending certain lecture courses.

ENTRANCE STANDARD. At present we are requiring that three years of high school work shall have been completed, and it is possible that in the near future that will be raised to matriculation. However, it is difficult to be altogether arbitrary about this for the student who enters this Department has had a three years' hospital training in addition to her high school work, as we accept none but graduate nurses. That means that this student is, speaking in the broader sense of the word, much better educated than the ordinary college freshman. There is room in this connection for an interesting study of the comparative merits of matriculation and intelligence tests.

CURRICULUM. According to our formula, the present training for a public health nurse occupies four years, three of which are spent in hospital and one in college. It is not too long, considering the responsible and difficult work for which she is preparing, but it cannot yet be said that these four years are being planned very wisely. If this present plan of training be continued, there should be a careful study of the work of the whole four years, and much change and re-arrangement in the interests of economy and efficiency in training.

OPPORTUNITIES FOR OUR GRADUATES. Approximately forty-five per cent. of last year's class have found appointments in the city of Toronto, and forty-five per cent. elsewhere throughout Ontario. The remaining ten per cent. were, for various reasons, unemployable. A great many inquiries have come to us for workers, and it appears that the Provincial Departments of Health and Education are to be the chief employers of this specially trained public health nurse.

SCHOLARSHIPS. The Victorian Order of Nurses, which employs visiting bedside nurses all over Canada, has for a number of years been giving a special post-graduate training to nurses who enter its service. It has been found, however, that they are not equipped for educational work, and the Order is trying other plans for the preparation of its nurses. During the past year nine received scholarships from the Order to enable them to take the full course in our Department. We are not yet informed as to whether any such scholarships will be given during the coming year.

The Ontario Red Cross Society again gave ten scholarships, but it is probable that that number will be considerably reduced in the coming year, as the Society feels that the original purpose of these scholarships has been met.

Several other scholarships were donated by Toronto hospitals and nurses' alumnæ associations. We are deeply indebted to all these groups for their generous gifts, as that generosity has sent us a very fine group of students whom we should otherwise not have had.

(13) REPORT OF THE DIRECTOR OF UNIVERSITY EXTENSION AND PUBLICITY.

(*W. J. Dunlop, Esq., B.A.*)

In presenting my second annual report as Director of University Extension and Publicity, permit me to say that this work has expanded greatly during the year and that the people of Ontario are taking advantage in greater numbers of the special facilities for higher education which the University offers them through this department. During the year that has just closed, sixteen hundred and seventy-six students (adults, all of them) have received instruction in the various courses offered. This number is exclusive of the hundreds who have availed themselves of extension lectures throughout the Province and of the telescope service in the City.

University Publicity.

(a) BULLETINS:—

The following have been issued and distributed during the year:—

(1) 5,000 copies of an eight-page bulletin on "University Extension."
(2) 5,000 copies of an eight-page bulletin on "Higher Education in Music."
(3) 5,000 copies of an eight-page bulletin on "The Need for Scholarships."
(4) 20,000 copies of a sixteen-page bulletin on "The Teachers' Course."
(5) 10,000 copies of an eight-page bulletin on "Opportunities for Graduates in Veterinary Science."
(6) 5,000 copies of a four-page bulletin on "The New University Entrance Requirements."
(7) 1,000 copies of the President's address on "Academic Freedom."
(8) 3,500 copies of an eight-page bulletin regarding the work offered in the summer session.
(9) 1,100 circulars regarding tutorial classes.
(10) 2,000 four-page folders on the short course for farmers and 5,000 announcements of the "two weeks' course."
(11) 10,000 four-page folders on the special course in work with boys.
(12) 1,000 circulars on the short course in Civics and Town-Planning.
(13) 1,500 circulars on the special courses in Household Science.
(14) 2,500 copies of a four-page bulletin on teachers' classes.
(15) 1,000 copies of a special circular on tutorial classes for Brantford and Brant County.

(*b*) MEETINGS: ADDRESSES:—

The Teachers' Institutes in Hamilton and Brantford, the Normal Schools in Toronto, Hamilton, Ottawa, Peterborough, and Stratford, a meeting of junior farmers in Brampton, special meetings of teachers in Hamilton and Windsor, a gathering of workingmen in Hamilton, and the annual convention of the Canadian Weekly Newspapers' Association were addressed in the interests of University Extension work. Addresses on the new matriculation requirements were given before the University Women's Club of Toronto and at a meeting of the Municipal Council, the School Board, and representative citizens of Hespeler.

(*c*) NEWS ITEMS: ARTICLES:—

(1) Mr. C. Lesslie Wilson, B.A., of the Wilson Publishing Company, has this year continued to print each week a new item regarding the University.

(2) University news has been supplied almost daily to the daily newspapers of Toronto.

(3) News items have been supplied weekly to the *Farmer's Sun*.

(4) Items of special news have been distributed to the leading dailies of Canada, Great Britain, and the United States.

(5) A good deal of publicity was given the meetings at the University of the American Association for the Advancement of Science.

(6) University articles and news items have been supplied to the *University Monthly* and numerous convention booklets and special publications.

(7) Material was furnished for a series of six bulletins issued by the Alumni Federation.

(8) Half-tone illustrations of University buildings have been loaned to various newspapers and periodicals.

(*d*) ADVERTISING:—

Special lectures, conferences, courses, organ recitals, the Royal Ontario Museum, have been advertised in the daily press and other papers.

(*e*) GENERAL:—

The University's exhibit at the Canadian National Exhibition was visited by many thousands of people who evinced great interest in the several displays arranged by the Departments of Physics, Astronomy, Hygiene, Extension, and the Alumni Federation. The staff of the Extension Office was engaged almost continuously throughout each day and evening of the duration of the Exhibition in answering questions regarding the University and its work.

Groups of visitors were shown through the University Buildings quite frequently during the year.

University Extension.

(*a*) SUMMER SESSION:—

The attendance at the summer session in Arts was eighty-five, an increase of more than one hundred per cent. over 1920. First year French; second year History, French, Psychology and Science; third year History, Science and French; fourth year History and French were offered. It is of interest to note that the fees from summer session students in Arts now almost meet the expenditures for the salaries of the instructional staff; within two or three years the summer session will probably be self-sustaining financially.

The summer session for degrees in Pedagogy was attended by sixty-six students consisting chiefly of training school masters, secondary school teachers, inspectors, and others who are graduates of Canadian, British or American Universities. The post-graduate work offered in Pedagogy is proving very popular with Canadian educationists of all Provinces.

(*b*) TEACHERS' CLASSES:—

The enrolment increased from 76 to 118. Teachers' classes were also established in Hamilton where the enrolment was forty-one and where second year English was taught on Thursday evenings and second year Botany on Saturday forenoons. At the Central Y.M.C.A., Toronto, second year English, French and Psychology were taught in evening classes: the enrolment was twenty-six. In the summer session in Arts and in the teachers' classes, 270 teachers (and others) are studying for the B.A. degree while continuing their teaching or other vocation. As an example of the popularity of this type of work it may be pointed out that several teachers gave up good positions in towns outside of Toronto and secured posts in the City at, in some cases, lower salaries, in order that they might take advantage of the teachers' classes.

(*c*) CORRESPONDENCE COURSES:—

Teachers so situated that they cannot take advantage of teachers' classes in Toronto or Hamilton are provided with correspondence work in preparation for the summer session. Of these there were forty-seven in the second year, five in the third year, and four in the fourth year. To them 631 correspondence bulletins were sent: 343 bulletins were received from them, corrected, and returned.

Sixty-two teachers took correspondence work in the upper-school course: twenty-three in the middle-school course; and ten in the commercial course. Bulletins sent them numbered 963, 421, and 196, respectively, and answer-bulletins totalled, 492, 228, and 39. A new correspondence course in Elementary Forestry was arranged with Dean Howe in May and many enquiries regarding it have already come in.

(*d*) EXTENSION LECTURES:—

This is the oldest form of University extension service and is still widely used. Eighty-three lectures were delivered by members of the University Staff in Alexandria, Bowmanville, Brighton, Barrie, Buffalo, Burford, Cobourg, Chatham, Collingwood, Drayton, Ennotville, Hamilton, Harrowsmith, Hillsburg, Huntsville, Jordan, Keswick, Lindsay, Locust Hill, Long Branch, Madoc, Meadowvale, Melbourne, Milton, Newmarket, Niagara Falls, Owen Sound, Perth, Peterborough, Picton, Port Colborne, Port Hope, Sault Ste. Marie, Scotland, Sudbury, Thistletown, Vineland Station, Walkerton, Watford, Welland, Wellington, Woodville and Woodstock.

(*e*) WORKERS' EDUCATIONAL ASSOCIATION:—

Seven classes for working men and women were conducted in Toronto with an enrolment of 115. The subjects were Economics, International Finance, English Literature and Rhetoric, British History, Psychology, Public Speaking and Trade Union Law. In Hamilton there were classes in Economics, English Literature, and Psychology, with an enrolment of fifty; in Ottawa three classes in Economics, English Literature and History, enrolment 210.

(*f*) RURAL TUTORIAL CLASSES:—

Evening clases for rural and village people were conducted at Streetsville, Brampton, Cheltenham, Beeton, and Bond Head. The total enrolment was 134. In the first three of these English Literature was taught one evening each week during the academic session and in the other two Community Singing and English Literature were taken on alternate weeks. These classes are a boon to young people in rural and village communities and it is likely that more of them will be asked for next winter.

(*g*) URBAN TUTORIAL CLASSES:—

In Toronto there were evening classes in English Literature, Zoology and two classes in Economics; there were afternoon classes for part of the session in Italian for Vocalists and Occupational Therapy. A class in English Literature was conducted in Brantford for ten weeks. Each class met one evening each week; the fees received cover the cost of tuition. The enrolment in these classes was 190.

(*h*) SHORT COURSE FOR FARMERS:—

For the second time a two weeks' course was arranged in February for farmers, and the attendance this year was 225. The subjects of instruction were English Literature, Public Health, History, Psychology, Biology, Economics, Architecture, Household Science, Commercial Geography, Public Speaking and some general lectures on Engineering. This course has become an annual event.

(*i*) SHORT COURSE IN JOURNALISM:—

The first course of this kind was given from September 12th to 17th, 1922 at the request of the Canadian Weekly Newspapers' Association. The attendance was 123. The subjects of instruction were Editorial Writing, News-gathering, English Literature, Canadian Constitutional History, Newspaper Jurisprudence and Public Health. The students were, for the most part, editors of weekly newspapers in Ontario and members of newspaper staffs, but there were also a good many "free lance" writers. This course promises to become an annual one and it is hoped that it will lead to the establishment of a Chair of Journalism in this University.

(*j*) SHORT COURSE IN CIVICS AND TOWN-PLANNING:—

This course was initiated by Professor Adrian Berrington of the Department of Architecture and was held from January 9th to 21st. The enrolment was forty-nine. Members of the staff and many prominent citizens, not members of the University staff, but experts in various phases of town-planning, delivered lectures. The course was in every respect a successful one.

(*k*) SHORT COURSES IN HOUSEHOLD SCIENCE:—

Under Miss Laird's direction a short course in Household Science was given in the autumn term. So successful was this course that three distinct short courses were arranged for January, February and March. The enrolment in the four courses was 157.

(*l*) TELESCOPE SERVICE:—

In co-operation with the Department of Astronomy arrangements were made to set up two telescopes in front of Convocation Hall on a specified evening of each week during the spring and summer for the free use of the public. The attendance varied from twenty-five to 300. This service has resulted in interesting a good many persons in the study of astronomy.

(14) REPORT OF THE DIRECTOR OF DEPARTMENT OF MILITARY STUDIES.

(*Colonel W. R. Lang*).

As requested I have the honour to submit a Report on this Department for the session 1921-22.

1. The number of Honours and Pass Arts students enrolled in the three courses given was fifty-four. A special course for nine students of Applied Science was also held, making the total sixty-three.

In addition, 158 others took practical instruction in the C.O.T.C., many of them as an athletic option.

2. Five candidates successfully wrote on the November examination set by the War Office for certificates qualifying them as Lieutenants in H.M.'s Auxiliary Forces.

At the March examination twenty candidates passed the practical portion and wrote on the papers.

3. The Medical Faculty has placed Military Studies among the optional subjects in the final years of that curriculum, and the Militia Department has been asked to provide an examination for students who may take this. In this way it will be possible for those doing so to receive their qualification as Army Medical Officers at the same time as they graduate professionally.

A similar proposal has been laid before the Faculty of Applied Science, having in view the qualifying of students during their University course for commissions in the Corps of Canadian Engineers.

4. The department has been fortunate in securing the services of Brigadier-General G. S. Cartwright, C.B., C.M.G., retired list, Royal Engineers, as Special Lecturer, without expense to University funds. His lectures and the general assistance he has given have been much appreciated.

5. Several donations of books for the Department Library have been received and acknowledged. The use made of the reading room during the winter has quite justified its existence.

(15) REPORT OF THE UNIVERSITY HEALTH SERVICE.

(I) Men Students.

(*Dr. George D. Porter, Director*).

As Physical Training is now made compulsory, it is necessary that the student should first receive a physical examination which will properly classify him for this work, so that he may take the form and amount of exercise best suited for his needs.

Examination: For this purpose a staff of eight physicians chosen by the Professor of Medicine have examined the students of the first two years and the athletic teams. The Professor of Pathological Chemistry had the urinalysis (a very important part of the examinations) made for a large number by the medical students in his laboratory under his supervision, and he also did a large number of them himself.

A staff of eight specialists have also re-examined those referred to them for this purpose.

This year all the first two year men and the athletic teams were examined, making a total of 1,450, and 288 of those were later re-examined by the specialists.

Results: The results of these examinations are most gratifying as regards the general health standard of our students as it has been found that ninety-six and one-half per cent. of them are able to take Physical Training. We found that there were:—

Physically fit and able to take all gymnasium work..........	86½%
Men with some disability requiring supervised exercise	10 %
Physically unfit (some temporarily and a few permanently) and exempt from all gymnasium work	3½%

Next year we shall, I believe, have a still better record, for among the 1,200 already examined we find a number whose category has been raised during the year, some of whom have been definitely improved by following the advice given to them last year. Then some of those physically unfit last year were made so by war wounds or illness contracted overseas.

Venereal Diseases: It is pleasing to state that no case of syphilis has been found in our examinations of the first three years of the student body. As for the other venereal disease (gonorrhœa), while doubtless here and there cases have occurred, no evidence of this disease has appeared during our examinations, and when it is recalled that the examinations are compulsory, that everyone comes up stripped before us, and that these examinations are all completed in a period of four or five weeks' time, it is evident that we have a remarkable freedom from venereal diseases in our University.

It is our purpose to prepare a complete and detailed account of the physical findings among our students later on.

Athletics: We have examined all the athletic teams, track teams and athletes, and in a few cases have prevented students from taking part in athletics and games owing to weak hearts or other conditions making their participation harmful. We have also kept an occasional athlete with infectious throat. from the training table, and others with some infection from the swimming tank and gymnasium.

Advice: While assuming no responsibility for treatment of those who are ill, we give advice to a large number, and make it our duty to urge proper medical care where needed. A number of minor injuries, received in the gymnasium or on the campus, are attended to by Dr. Barton every day.

Lectures: Last year one lecture on personal health was given to the first and second year students in all the different faculties.

The co-operation of the men from the different faculties, the students and the Athletic Directorate in the initial work of the University Health Service has been most gratifying.

(II) Women Students.

(*Dr. Edith Gordon, Medical Adviser*).

In June, 1921, the Board of Governors of the University of Toronto made the appointment of a Medical Adviser of Women for the year 1921-1922. The duties attaching themselves to the position were those of making physical examinations of the women students, and of being available for consultations on problems of health and personal hygiene. These examinations and consultations were to be of a voluntary nature.

During the months of October, November and December, 1921, 532 voluntary physical examinations were made. The four colleges of the Faculty of Arts, the Faculty of Medicine, the Ontario College of Education, the Faculty of Music and the Departments of Social Service and Public Health Nursing were represented in this group.

As one would expect, the general condition of the students was excellent. The following table, grouped according to ability to engage in exercise, gives a clear idea of the physical fitness of the group.

Students physically able to take Physical Training	85.9%
Students requiring supervised training or corrective exercises	9. %
Students unable to take Physical Training (temporarily or permanently)	5.1%

The outstanding fact brought to light by the physical examinations was the number of preventable and correctable defects found. These were the result of improper personal hygiene, inadequate or unsuitable exercise, and ignorance of the laws of physiology and sanitation.

The following table groups them:

I. Preventable and correctable defects (poor nutrition, underweight, overweight, weak feet, functional spinal curvature, constipation, etc.)	712	67. %
These could be corrected by suitable exercises and proper personal hygiene.		
II. Defects that could be corrected by treatment, operation, etc. (diseased tonsils, eye defects, diseased teeth, etc.)	280	26.3%
III. Uncorrectable defects, but ones that could be prevented from becoming more pronounced, or developing into acute conditions (organic heart lesions, organic spinal curvatures, chest conditions, etc.)	72	6.7%

The work of the Medical Adviser naturally falls into two phases; Health Protection and Health Promotion.

Under the first heading comes the physical examination of the women students, with the classification into different groups according to the physical fitness for the various exercises, or the individual need of the student. Exercise of some kind is prescribed for practically all women students. At present it is for the student to decide whether she will follow this advice or not. Those students who are able to take Physical Training, but who have had little or none previously, are recommended to the elementary gymnasium class. Those who have had and have benefited by previous physical training are recommended to take the advanced work in the gymnasium or enter one of the groups training for special games or sports. The students with correctable defects or needing special supervision are recommended to the remedial class, where individual instruction in corrective exercises is given by the Physical Director, and re-examinations are made from time to time by the Medical Adviser, and progress noted. Those students who are physically unfit to take Physical Training are under the special supervision of the Medical Adviser, and as soon as they are able to undertake them, suitable exercises are prescribed.

The close connection between the work of the Medical Adviser and that of the Director of Physical Training is thus seen. Since 1913 there has been Physical Training for women in the University of Toronto under a full-time instructor, and with a well-planned programme of progressive Physical Training work. Two years of training have been given, and further work in two succeeding years planned for. An outline of the course is as follows:—

Part. I. requires forty periods of practice in the gymnasium and includes calisthenics, apparatus work, corrective exercises, games, swimming, etc. One lecture a week which includes physiology, anatomy, and first aid is also a part of this course.

Part II. requires eighty periods in the gymnasium, and includes advanced calisthenics, remedial and corrective work, indoor athletic games, swimming, life saving, etc. Twenty lectures on theory of exercises are given with this course.

Examinations are held at the end of each year. Fifty per cent. is the passing grade. Students must have satisfactorily completed the work of Part I and passed the examinations before they are eligible for Part II.

This work has been voluntary on the part of the students, and has met with varying enthusiasm. The fact that no recognition of this work is given by the University in the way of a diploma or certificate makes it discouraging for the student who has faithfully attended classes and passed creditable examinations. That this work is considered excellent is shown by the fact that students who have taken this course at the University of Toronto have received credit for it in recognized schools of Physical Education, upon the written recommendation of the instructor.

Under this voluntary system, it is frequently the healthy woman who is interested, and not the one who most needs the development obtainable through such a course that one finds enrolled. The college years are the last growing years of the student's life, and these years are the last in which any appreciable results can be obtained in the correction of developmental defects, and for the prevention of future diseases.

Under a compulsory system of physical education each student would receive the physical training most suited to her needs.

Another phase of the health protection of the women students is that of the supervision of the health conditions in the women's residences. In order to understand under what conditions the women are living, a survey of the five houses that accommodate the women of University College and the women of the Faculty of Medicine was made. With the exception of the addition to number 7 Queen's Park, these residences are all old houses that have been adapted for the purpose, and are not suited for it. The number of students accommodated in these five houses is 168. The number of women in University College and the Faculty of Medicine is nearly 700. Many of those unable to secure rooms in the residences are living in very undesirable rooms, and getting their meals in nearby tea-rooms or boarding houses. Others live at long distances from the University in order to find more comfortable quarters.

Old houses with large rooms that necessitate the placing of two or three students in one room with a single window and no provision for cross ventilation are very poor substitutes for the well-built dormitory, with its single rooms, large windows, and adequate ventilation. These, however, are to be preferred to the rooming house with inadequate heating, double beds, lack of hot water, and no care in time of illness. In the residences, at least, there is excellent supervision of the student, care in cases of illness, properly planned meals, and congenial companions.

Cases of illness are reported to the Medical Adviser, and in cases of communicable disease, investigations are made to discover the source, and measures are taken to prevent the spread of the disease.

An outstanding need for the women students is an infirmary where those suffering from slight indispositions can be cared for for a few days. For those students living in rooming houses, this would be a boon, since at present their only choice, when ill, lies between no care at all or hospital care. One room in the Women's Union is available for such purposes, but the accommodation is inadequate. Another room at number 9 Queen's Park is set aside for an isolation ward.

The work of the Medical Adviser in health promotion begins with the physical examination where defects in personal hygiene are noted, and suggestions for correcting them offered. A consultation at a later date is proposed, and during that, the health problems of the student can be discussed more fully, and a living schedule outlined. When serious defects are discovered, or conditions requiring medical or surgical attention, the student is told so and advised to have a regular practitioner give her treatment. No treatment is given by the Medical Adviser. Where the condition discovered is due to poor personal hygiene, that is explained to the student, and her co-operation sought in improving the hygiene. and correcting the defect; but where medical or surgical treatment seems advisable, the student is urged to have it at once.

Another important part of the work of health promotion is in educating the students in the principles underlying health through lectures on hygiene. This year no lectures have been given to the women students, but it is hoped that in the future this important part of health education will not be neglected.

In looking back over the first year of the work of the Medical Adviser of Women, one is greatly encouraged. Under a voluntary programme, the continued interest and co-operation of the students shows real concern on the part of the women in their individual health problems, and an earnest desire to be and keep healthy. Several outstanding examples of marked improvement in physical efficiency make one feel that the experiment was worth while even if only these women were benefited.

(16) REPORT OF THE WARDEN OF HART HOUSE.

(*J. B. Bickersteth Esq., M.A.*)

I took over the administration of Hart House on the fifteenth of September, 1921, and received much valuable assistance from Mr. W. F. Bowles in the difficult task of attempting to master the details of a large and complicated organization.

Owing to the deficit on the first two years of operation, it was clear that the most rigid economy was necessary. At the same time it was essential that the ideals for which the House stands in the life of the University must not in any way be sacrificed. A desire to develop the House in every way, more especially on those sides where it ministers to the finer side of the undergraduate's life, together with the determination to practise economy wherever possible, has been the policy of myself and of all the committees associated with the management of the House throughout the past year.

It was my first duty to appoint a secretary-treasurer in succession to Mr. H. P. Bell, and it was felt that a thoroughly competent accountant should be obtained. Early in October Mr. W. H. Graham was appointed to this post.

Membership. The membership of Hart House this year has been approximately as follows: Graduate Resident 338, Graduate Non-Resident 70, Faculty, 202, Special 3, Honorary Life 13 and Undergraduate 3,800.

Administration. Hart House has taken an increasingly important part in the life of the University during the past year. Its rooms have been thronged day by day with hundreds of undergraduates. With very few exceptions the treatment of the House has been admirable and in many ways it is clear that the men are coming to realize what a unique institution they possess.

Throughout the year I have had valuable assistance from all the committees connected with the administration of the House. There are now ten committees associated with various departments of the House. They are: The Board of Stewards and Finance, House, Hall, Library, Music, Billiard, Sketch, Camera and Squash Committees. In every case the attendance at these committees has been good and the work done by the various undergraduate secretaries is worthy of special mention. During the year the Sketch Club, Camera Club and Squash Club have, all three, become committees of Hart House on the same footing as the other committees.

The undergraduate members of these committees are elected by the whole student body. The elections were held in Hart House early in March and the manner in which they were conducted was very satisfactory. Presidents of "years" throughout the University gave valuable assistance to the House Committee in this connection.

House Committee. Much work has fallen to the House Committee throughout the year and meetings have been held regularly every two weeks. Many questions of administration came up for consideration concerning employees of the House, equipment, repairs, guest rooms and the use of the House by numerous University clubs, societies, etc. The Committee recommended to the Stewards the extension of the hospitality of the House to many outside organizations of which the following are the chief: The American Association for the Advancement of Science, the Farmers' Extension Course, the Ontario College of Education Easter Convention, the Amateur Athletic Association of Canada and the Canadian Society of Forest Engineers.

During the meeting of the American Association for the Advancement of Science, immediately after Christmas, the House Committee managed the evening reception in Hart House, at which about two thousand guests were present. On this occasion all the activities of the House were in full swing—music, theatre, gymnasia, swimming pool, sketch room, billiard room, racquets and supper in the Great Hall.

Early in November this Committee was entirely responsible for the successful management of the Hart House Masquerade, now the premier social function of the University. About one thousand five hundred people were present at this dance (double tickets were sold at $1.50 and a profit of nearly two hundred dollars was made). The other dances held in Hart House during the year were: The Veterans, the Rugby, University College, Applied Science and the combined Junior Medical and the Hockey.

Visitors. On one Sunday of every month members have been allowed to introduce visitors and many hundreds of people both men and women have availed themselves of this opportunity to see Hart House.

Hall Committee. The Hall Committee has also done valuable work. At the beginning of the year they agreed to the recommendation of the Finance Committee and the Board of Stewards that meals should be served in the Great Hall at the following rates: breakfast twenty cents, luncheon thirty-five cents, and dinner thirty-five cents. Financial statements were put before this Committee from time to time and they were always ready to take any step to improve the finances of the Hall. A large deficit for the year 1920-21 was very greatly reduced. The greatest number of meals served in the Great Hall in one day was 1,600. The greatest number of meals served in the House in one day was 2,500. During the period September 26th to May 20th about 273,000 meals were served in the Great Hall, Faculty Union Dining Room, the Graduates' Dining Room and at special functions, the latter accounting for over 25,000.

Much credit is due Mr. V. C. Kerrison, the Superintendent of the Great Hall, and to his staff for their unfailing efforts to make the Great Hall a success.

Shop. The Hall Committee has also had the administration of the shop where tobacco and light refreshments are served. During the year this shop was moved and enlarged and has shown good profits each month.

Library Committee. There are few more successful features of the House than the Library. Throughout the year it has been full at all hours of the day. The Library Committee has rendered great assistance in its administration. The books have been reclassified and catalogued. The Committee was faced with the problem that books were disappearing from the shelves at a rate which it was considered might make a complete change of policy in the Library necessary. Only a limited number of new books, were, therefore, added during the year. Various steps were taken to prevent books from being taken out of the room. Notices were posted, articles were written in the "Varsity," and a Curator of the Library (an undergraduate) was appointed at a reasonable salary per month. The Library Committee further took over the administration of the reading room and saw to the ordering of the periodicals.

Music Committee. The development of interest in good music during the past winter has been very remarkable. Recitals have been held regularly throughout the year at five o'clock in the music room. The Music Committee, guided by a most active and efficient secretary, has been successful in enlisting the services of some of the leading musicians in Toronto. These recitals have been always well attended: often the room has been packed. Among those who have visited Hart House entirely as friends and given recitals are:—Mr. Welsman, Mr. Vincent Fink, Mr. Paul Wells, the Canadian Academy String Quartette, the Quintille Trio, Mr. Campbell McInnes, Mr. Viggo Kihl and many others.

A new upright piano was bought and placed in the Music Room, the grand piano, already there, being reserved for recitals.

Billiard Committee. The department, presided over by the Billiard Committee, has had a most successful year. A large revenue has accrued to the House from the billiard room. The behaviour of those using the room has much improved. A new English billiard table was purchased and within a short space of time had paid for itself. An open handicap was held and a new silver cup purchased.

Sketch Committee. No organization in Hart House has greater possibilities than the Sketch Club. It should offer innumerable opportunities for linking up the undergraduates with the artists in Toronto. During the winter there has been some development, but much remains to be done to make this club a real influence in the University.

Membership has been increased and the attendance at the weekly meetings was fair. These meetings generally took the form of a class in life drawing from a model, under the direction of an artist from the city. There were several small exhibitions and a number of lectures.

The Picture Committee (a sub-committee of the Sketch Club) arranged for the loan of some sixty pictures to Hart House by the artists of Toronto. These pictures were hung in all the principal rooms of the House and were a great acquisition, being on the walls for about four months. This year, for the first time, a beginning has been made with regard to the regular buying of pictures for the House. The Picture Committee selected a picture of A. Y. Jackson from the proceeds of the Masquerade Ball and the graduating year of 1922 most generously presented a picture to Hart House, one of Mr. H. S. Palmer's being chosen.

Careful plans for the development of the activities of the Sketch Club have been worked out for the ensuing year, the chief features of which are a closer co-operation with the College of Art, the Theatre of Hart House and the Camera Club.

Camera Committee. The work of the Camera Club has been curtailed by the unavoidable delay in procuring adequate equipment for the dark rooms. Work, however, was begun late in the year. The membership was increased and plans drawn up for the development of this work in the coming year.

Squash Committee. The squash racquet courts have been more used this year than ever before. An average of twenty-five random days show that sixty men played per day. The ventilation of the courts was greatly improved by the installation of electric fans.

Religious Activities. There has been the closest co-operation between those responsible for the religious activities of the House and myself.

The Faculty Union. Efforts have been made during the year to draw up a written agreement between Hart House and the Faculty Union. Considerable progress was made in this respect and the relations between the two bodies have been entirely amicable.

Visitors. Whenever it has been possible, prominent visitors to Toronto have been invited to give a short address to the undergraduates at midday. The visitor lunches at the high table with the Warden and the undergraduates. and then speaks for twenty minutes in the lecture room (from 1.30 to 1.50 p.m.). p.m.).

Social Activities. As Warden of Hart House it has been my aim from the very first to set up a close personal relationship between myself and as many undergraduates as possible. This was the point I stressed in the short address which I had the opportunity of giving in Convocation Hall on the occasion of the President's speech at the opening of the academic year. With this end in view I have entertained four hundred men in my rooms during the eight months, and I can frankly say that there is no part of my work which I have enjoyed more. These men have been entertained in groups of eight or ten at a time and it has been my object to invite men of different faculties, years and interests to meet each other in this way. The undergraduates of this University are second to none.

I have also entertained as my private guests a considerable number of people from outside the University.

During the month of March a letter was sent to every member of the Provincial Legislature inviting them to lunch at the high table in the Great Hall as the guests of the Warden and the undergraduate committees of the House. Between thirty and forty members came in small groups on different days. After lunch they were shown round the House and expressed themselves as very much interested in all that they saw.

ATHLETIC ASSOCIATION. My relationship with the Athletic Directorate has been of the happiest. The Secretary of the Athletic Association, the Physical Director and others on the athletic staff have been always ready to do all in their power to ensure the efficient management of the House as a whole.

THE THEATRE. There has been the closest co-operation between Hart House and the Board of Syndics of the Theatre. There have been many ways in which the Director of the Theatre (Mr. Bertram Forsyth) and I have been able to give each other mutual assistance. My position as an ex-officio member of the Board has been of the very greatest interest to me.

GENERAL. My indebtedness to all Committees connected with the House and especially the Board of Stewards and the Finance Committee cannot be adequately expressed. Their attitude has been invariably sympathetic and their advice sound.

Early in March I visited the Universities of Harvard, Yale and Columbia. At Harvard I attended a conference of University and College Unions. Toronto and McGill were the only two Canadian Universities represented at the conference, all the remainder being American. The delegates were so impressed with Hart House that they made a most earnest request that the next conference should be held there. It is therefore planned to welcome the representatives of at least thirty American University Unions in Hart House next November. I was asked to become President of the Association for the current year.

During the spring the C.P.R. filmed Hart House. The film is to be shown in Canada, Great Britain and the United States and should do much to make known the unique character of the place. Indeed it is clear that Hart House is already becoming widely known. On many occasions during the year I have been asked to supply information with regard to its plans, organization and functions.

In conclusion let it be said that the year's work has served to show with ever greater certainty that the possibilities of Hart House are limitless. At present its history goes back three short years—traditions now being formed will influence the future of the House for generations to come. To be responsible for the guidance of its manifold activities at such a formative period brings its full share of anxiety but can hardly fail to be inspiring.

(17) REPORT OF THE DIRECTOR OF THE CONNAUGHT ANTITOXIN LABORATORIES.

(Dr. J. G. Fitzgerald).

This report is a resumé of the activities in these laboratories, and in it is summarized the work of the eighth year since its establishment. In a general way there have been three main fields of endeavour. As was pointed out in the report for the previous year, a sum of money ($15,000.00) was set aside for the purpose of defraying the cost of a health demonstration among men students in the University for a two-year period. The object of the demonstration was two-fold:—

1. To ascertain the physical condition of the students of the first and second years in the Faculties of Arts, Medicine, Applied Science and Engineering and Forestry.

2. To recommend to those students who were in need of it, the advisability of their receiving medical care and health supervision.

The possibilities in the field of health promotion were brought to the attention of the students in lectures on Personal Hygiene given by Dr. Porter, who during the year was appointed Director of University Health Service and Lecturer in Hygiene. It is hopefully anticipated that an independent Department of University Health Service may be created as a result of this demonstration, which is being financed by the Connaught Antitoxin Laboratories.

The physical examinations and re-examinations when necessary of the men students have been conducted by members of the staff of the Department of Medicine of the University. The co-operation of the head of the department, Professor Duncan Graham, has been of most material assistance and is greatly appreciated.

RESEARCH DIVISION: During the year the first volume of Studies from the Research Division, Connaught Antitoxin Laboratories, was published. In this are included seventeen papers embodying work undertaken by members of the Department. Seven of the papers were published therein for the first time, the others are re-printed and have already been published elsewhere. One additional contribution has since been made by Mr. Moloney and Miss Hanna, bringing the total number of communications up to eighteen. The following papers were published for the first time in this volume:—

"Contribution to the Study of Diphtheria Toxin", P. J. Moloney and L. O. Hanna.

"A Quick Acting Hydrogen Electrode." P. J. Moloney.

"The Public Health Laboratory and the Diagnosis of Smallpox." R. D. Defries and L. O. Hanna.

"Studies on Antiseptics in the 'Ripening' of Vaccine Virus with observations on the Influence of Temperature on the Longevity of the Virus in the Presence of Such Antiseptics." R. D. Defries and L. O. Hanna.

"Streptococci in Chronic Respiratory Infections." W. R. Hodge and C. Cohen.

"A Comparison of the Interpretation of the Findings in Chronic Pulmonary Lesions by Clinical Stereoroentgenographic Examination." A. H. W. Caulfeild and G. E. Richards.

"Agglutination Phenomena with Diphtheria Antitoxin." P. J. Moloney and L. O. Hanna.

There have been no changes in the personnel of this Division during the year, with the exception of the transfer of Dr. Hodge to the Department of Medicine.

ANTITOXIN: Dr. R. D. Defries, Associate Director of the Laboratories, has continued to have the immediate direction of the work of the Division during the year. The public health biological products distributed included:—diphtheria antitoxin, vaccine virus, tetanus antitoxin, anti-meningitis serum, anti-pneumococcus serum, Type I., anti-rabies vaccine, anti-typhoid and paratyphoid vaccine and normal horse serum. All of the public health biological products distributed free in Ontario by the Provincial Board of Health, and in Saskatchewan by the Bureau of Public Health, have been supplied by these Laboratories. In addition, antitoxin and vaccine have been distributed in all of the other seven Canadian Provinces. Biological products have also been sent during the year to New Zealand, China, Newfoundland, Barbados and Trinidad.

The annual inspection of the Laboratories and University Farm was made during the year by an officer of the United States Public Health Service, as required in the license granted to these Laboratories by the Treasury Department of the United States permitting the distribution of public health biological products in interstate commerce in the United States. The total distribution of products, while slightly lower than that of the previous year, has been very large.

During the past winter an addition has been made to the Main Building, University Farm, which has provided stabling for nine additional horses. Other alterations and improvements have also been effected, and the work of beautifying the property has also been proceeded with.

Finally, it has been possible during the present year for the Connaught Antitoxin Laboratories to assist in a co-operative manner in the very important researches on pancreas extract being conducted by Dr. F. C. Banting, Mr. C. H. Best and Dr. J. B. Collip with the assistance and advice of Professor J. J. R. Macleod. A laboratory for the production of the extract in considerable quantity was fitted up, and a sum of $5,000.00 set aside by these Laboratories to make possible the production of the extract for use in the Toronto General Hospital and Hospital for Sick Children, during a period in which the precise value of the extract is being determined.

The Departments of Physiology, Pharmacology, Medicine, and the Connaught Antitoxin Laboratories all joined in this co-operative effort. The production of the extract is still being carried on in the special laboratory established for this purpose.

(18) STATEMENT REGARDING THE BIOLOGICAL MUSEUM

(*Professor B. A. Bensley.*)

The following donations have been received for the Biological Museum and the Royal Ontario Museum of Zoology:—

A mounted cormorant and other birds from Mr. George Lyndner, Toronto.
A number of bird skins from Mr. Harold Walker, Toronto.
A great horned owl from Mrs. E. Cobourg, Toronto.
A collection of forty-two mounted birds from Mr. T. D. Wilson, Toronto.
A snow goose and other birds from Mr. G. H. Corsan, Toronto.
A chameleon from Mr. A. R. Clarke, Toronto.
A tarpon from Mr. E. J. Melhuish, Toronto.
A case of natural history specimens from Mrs. Knox, Toronto.
An albino Virginia deer from Mr. J. J. Walsh, Toronto.
A flying squirrel from Mr. Frank Dymond, Kerwood, Ont.
A large number of specimens from the Parks Department, City of Toronto, including Japanese deer, fallow deer, lioness, peccary, bison and tiger.

The collections have been greatly increased by addition of material resulting from the fisheries research expedition of 1921 to Lake Nipigon.

Several purchases of specimens have been made at nominal valuations, including a collection of some 1,400 birds and mammals from Mr. W. R. Campbell, Lobo, Ont.

(19) STATEMENT REGARDING THE MUSEUM OF GEOLOGY.

(*Professor A. P. Coleman.*)

One new wall case has been installed in this gallery, but no addition to the collections has been made other than the usual acquisitions as listed below. The grant for the purchase of material has been used, in part under a special arrangement with Dr. W. F. Ferrier and in part for purchase in Europe. The results can not yet be stated.

The chief acquisitions during the year are:

BY DONATION:

Fossil wood from Yellowstone Park.—Mr. Alfred E. Bailey, Toronto.
Sphalerite from Chitwood, Arizona and Joplin and Webb City, Mo.—Professor Bayley, per Dr. T. L. Walker.
Two prepared samples of Ohio freestone.—Cleveland Stone Co., Cleveland, Ohio.
Three prepared samples Indiana limestone.—Indiana Quarries Co., Bedford, Ind.
Oil shale from Colorado and Utah.—Mr. F. V. Clisdale, Toronto.
Lead ore from Galetta, Ont.—Kingdom Mining Co., per Mr. L. H. Cole, Ottawa.
Asbestos from Thedford, Que.—Consolidated Asbestos Co., Montreal.
Electrum from Comstock lode.—Consolidated Virginia Co.
Glaciated surface, Lockport dolomite.—Quinlan & Robertson, Toronto.
Copper ores and country rock.—Eustis Mining Co., Eustis Mines, Que.
Prepared sample Lockport dolomite, Beamsville.—Hon. Wm. Gibson.
Large collection of polished marble slabs from Europe.—Mr. H. R. Ivor, Toronto.
Fire clay, volcanic ash, diatomaceous earth, quartz sand, bentonite.—Mr. Joseph Keele, Ottawa.

Osmiridium from Tasmania: Nickel and Cobalt ores from New Caledonia.

Laterites from Cuba.—Dr. W. G. Miller, Toronto.

Case of finished manufactured products of nickel.—Mond Nickel Co., England.

Barite from Columbia Valley.—Dr. A. W. G. Wilson, Ottawa.

(20) STATEMENT REGARDING THE PALÆONTOLOGICAL MUSEUM.

(*Professor W. A. Parks.*)

During the year one of the dinosaur skeletons obtained by the expedition of 1920 has been mounted in the gallery. This is a very valuable specimen, representing a new genus and species.

Parasaurolophus walkeri. Two other heads, apparently of another new genus, have been partially prepared. The grant for the purpose of material has been reserved for expenditure in Europe.

The more important acquisitions during the year are:

By Donation:

Devonian corals from Haldimand county.—Mrs. A. E. Aiken, Toronto.

Lockport dolomite with bird bones from Milton.—Dr. D. E. Robertson.

Mammoth tooth from Toronto.—Mr. W. F. Deer, Toronto.

Richmond fossils from Ohio.—Dr. A. F. Foerste, Dayton, Ohio.

Miocene leaves, Queen Charlotte Islands.—Capt. Smith, Queen Charlotte.

Cretaceous invertebrates, Queen Charlotte Islands.—Capt. Smith, Queen Charlotte.

Bryozoa from Lockport formation at Hamilton.—Mr. J. Wallace, Hamilton, Ont.

Large collection Carboniferous fossils from Nova Scotia.—Geol. Survey, Canada.

By Collection:

Local fossils.—Professor Parks and students.

Fossils from Meaford.—Professor Parks, Professor MacLean, Mr. W. S. Dyer.

Several skeletons of dinosaurs, and fossil plants from Alberta.—Museum Expedition, W. A. Parks, Levi Sternberg.

(21) STATEMENT REGARDING THE MINERALOGICAL MUSEUM

(*Professor T. L. Walker.*)

In the Royal Ontario Museum of Mineralogy, which is under the direction of Professor T. L. Walker, are very extensive collections of minerals and rocks. The most generous benefactors of this section are men connected with the mining industry. To make the collections more useful to visitors, the large specimens contained in the high cases are provided with special explanatory labels. In the cases on the east wall of the gallery a special display of the minerals of Canada is arranged. The Director appeals to friends of the University for contributions of minerals and rocks with a view of making these collections as complete as possible.

During the past year the collections have been increased by donations from a large number of friends, particularly mine owners and mining engineers in the Cobalt, Sudbury, Porcupine and Kirkland Lake areas. Notable presentations have been made by the Geological Survey of Canada; the Department of Mines of Ontario; the Geological Survey of Brazil; the De Beers Consolidated Mines, Limited; the Hollinger Gold Mines; William J. Woods, Lewiston, Pennsylvania; Dr. Leo Coleman; Radium Information Service Company; A. M. Bateman and Professor H. E. T. Haultain.

Important exchanges have been made with the Geological Survey of the Union of South Africa and the Institute Geologico Nacional, Mexico.

(22) STATEMENT REGARDING THE MUSEUM OF ARCHÆOLOGY.

(*Professor C. T. Currelly.*)

The rapid growth of the Royal Ontario Museum of Archæology has continued throughout the present year. Some hundreds of important gifts have been received. The importance of many of the pieces will make them, for all time to come, great national treasures that will have a marked effect upon the development of the country along all lines in which any artistic judgment is shown.

The phenomenal development of the George Crofts Collection of Chinese art still continues. In addition to the steady growth of our European collections, we obtained over four hundred pieces of Casas Grandes decorated pottery.

Dr. Harcum of the Museum staff and Dr. David M. Robinson of Johns Hopkins University have continued their work of getting ready the second volume of our publication of the classical vases.

The teaching work in the Museum has increased, and numerous large meetings have taken place. We are glad to see that the use of the Museum is growing rapidly.

A new venture in the form of a loan exhibit to the Public Library at Walkerville has been undertaken. Six cases of objects connected with art and archæology were placed on loan in their library. It is expected that this idea of loan exhibits will soon be developed in other places.

The routine work of the Museum has proceeded as usual. The list of donations to the Museum is too long to be printed.

APPENDIX B.

(1) Enrolment in the Colleges.
(2) Enrolment in University subjects.
(3) Registration in Courses in the Faculty of Arts.
(4) Registration for Graduate Courses.

(1) Enrolment in the Colleges

The students in University College were enrolled as follows:

	Greek	Latin	Ancient History	English	German	French	Orientals	Ethics
First Year—								
Pass	6	360	95	350	66	275	148	....
Honours	17	9	8	75	18	65	....	9
Second Year—								
Pass	12	37	....	210	15	160	95	....
Honours	7	9	3	45	10	49	4	6
Third Year—								
Pass	7	12	5	135	11	105	80	40
Honours	5	12	6	28	4	28	4	10
Fourth Year—								
Pass	3	4	7	100	10	58	45	35
Honours	11	11	8	50	3	16	1	10
Totals—								
Pass	28	413	107	795	102	598	368	75
Honours	40	41	25	198	35	158	9	35

The students in Victoria College were enrolled as follows:

	Greek	Latin	Ancient History	English	German	French	Orientals	Ethics
First Year—								
Pass	7	118	42	104	22	103	24	....
Honours	5	8	25	49	13	40	....	1
Second Year—								
Pass	4	16	....	96	5	69	12	....
Honours	2	3	13	23	14	22	1	6
Third Year—								
Pass	3	9	1	86	9	43	1	15
Honours	5	2	1	17	3	20	4	9
Fourth Year—								
Pass	....	1	1	47	4	13	2	5
Honours	....	....	....	7	2	5	....	5
Totals—								
Pass	14	144	44	333	40	228	39	19
Honours	12	13	39	96	32	87	5	21

The students in Trinity College were enrolled as follows:

	Greek	Latin	Ancient History	English	German	French	Orientals	Ethics
First Year—								
Pass	3	35	....	35	8	32	3	....
Honours	1	5	7	11	5	12	....	....
Second Year—								
Pass	4	13	....	25	1	18	1	....
Honours	2	2	....	2	....	1	....	....
Third Year—								
Pass	2	2	3	22	....	12	2	8
Honours	2	2	2	4	2	2	....	
Fourth Year—								
Pass	1	1	....	10	1	6	....	5
Honours	2	....	....	4	2	2	....	....
Totals—								
Pass	10	51	3	92	10	68	6	13
Honours	7	9	9	21	9	17	....	....

The students in St. Michael's College were enrolled as follows:

	Greek	Latin	Ancient History	English	German	French	Philosophy	Ethics
First Year—								
Pass	4	77	3	79	3	76	....	....
Honours	....	....	6	15	4	16	....	5
Second Year—								
Pass	....	26	....	32	2	28	12	....
Honours	3	4	1	12	3	9	3	3
Third Year—								
Pass	....	5	....	26	2	22	5	23
Honours	2	3	2	3	....	5	6	5
Fourth Year—								
Pass	....	5	....	25	4	18	4	17
Honours	1	1	1	3	1	3	7	7
Totals—								
Pass	4	113	3	162	11	144	21	50
Honours	6	8	10	33	8	33	16	20

(2) Enrolment in University Subjects.

The following tables exhibit the numbers attending lectures in University subjects, together with the number of those taking the practical work in the laboratories:—

DEPARTMENT OF MATHEMATICS

	Pass	Pass and Honours	Honours
Faculty of Arts—			
First Year	628		71
Second Year	39		112
Third Year	12		35
Fourth Year	1		9
Faculty of Medicine—			
First Year	13		
Second Year	4		
Third Year	5		
Faculty of Applied Science—			
First Year		171	
Second Year		186	
Total	702	357	227

DEPARTMENT OF PHYSICS

	Pass	Pass and Honours	Honours	Laboratory
Faculty of Arts—				
First Year	441		65	65
Second Year	15		57	67
Third Year	6		22	28
Fourth Year	4		18	9
Graduate Students			16	16
Faculty of Medicine—				
First Year		147		147
Second Year		53		53
Third Year		18		18
Faculty of Forestry—				
First Year	21			21
Faculty of Household Science—				
First Year	20			20
Ontario Veterinary College Students	12			12
Total	519	218	178	456

DEPARTMENT OF BIOLOGY

	Pass	Pass and Honours	Honours	Laboratory
Faculty of Arts—				
First Year	426		83	83
Second Year	20		40	60
Third Year	17		28	45
Fourth Year	11		3	14
Teachers' Class	24			24
Graduate Students				7
Faculty of Medicine—				
First Year		147		147
Second Year		167		167
Faculty of Applied Science—				
First Year				
Second Year				
Fourth Year			8	8
Faculty of Forestry—				
First Year			21	21
Fourth Year			14	14
Totals	498	314	197	590

DEPARTMENT OF BOTANY

	Pass	Pass and Honours	Honours	Laboratory
Faculty of Arts—				
First Year	429		70	70
Second Year	108		24	132
Third Year	20		7	27
Fourth Year	4		3	7
Graduate Students			13	13
Faculty of Applied Science		37		37
Faculty of Forestry—				
First Year		19		19
Fourth Year		13		
Ontario Veterinary College—				
First Year		11		11
Second Year		22		22
Total	561	102	117	338

DEPARTMENT OF CHEMISTRY

	Pass	Pass and Honours	Honours	Laboratory
Faculty of Arts—				
First Year	378	....	82	82
Second Year	81	....	63	100
Third Year	14	....	24	26
Fourth Year	5	....	10	8
Graduate Students	....	....	23	17
Faculty of Medicine—				
First Year	....	141	....	141
Second Year	....	165	....	165
Faculty of Applied Science—				
First Year	....	....	....	34
Second Year	....	42	....	42
Third Year	....	166	....	166
Fourth Year	....	7	....	7
Faculty of Forestry—				
First Year	16	....	....	16
Second Year	18	....	....	....
Ontario Veterinary College Students	12	....	....	12
Total	524	521	202	816

DEPARTMENT OF PHYSIOLOGY

	Pass	Honours	Laboratory
Faculty of Arts—			
Third Year	....	21	21
Fourth Year	....	15	15
Graduate Students	....	5	5
Faculty of Medicine—			
Third Year (six)	130	....	130
Third Year (five)	211	....	211
Ontario Veterinary College Students	41	....	41
Total	382	41	423

DEPARTMENT OF BIOCHEMISTRY

	Pass and Honours	Honours	Laboratory
Faculty of Arts—			
Third Year		56	
Fourth Year		17	17
Graduate Students		12	9
Faculty of Medicine—			
Third Year	136		136
Graduate Students		6	
Occasional Students		2	2
Ontario Veterinary College Students	24		24
Total	160	93	208

DEPARTMENT OF GEOLOGY

	Pass	Pass and Honours	Honours	Laboratory
Faculty of Arts—				
First Year	411		44	
Second Year	1		15	15
Third Year	13		7	16
Fourth Year	11		5	14
Graduate Students			3	3
Occasional Students			2	2
Faculty of Applied Science—				
First Year				
Second Year		15		3
Third Year		71		21
Fourth Year		46		14
Faculty of Forestry—				
Second Year		20		
Third Year		10		10
Total	436	192	76	98

DEPARTMENT OF MINERALOGY

	Pass	Pass and Honours	Honours	Laboratory
Faculty of Arts—				
Second Year	12	......	17	29
Third Year	1	......	25	9
Fourth Year	......	......	7	7
Graduate Students	......	......	1	1
Faculty of Applied Science—				
First Year	......	50	......	50
Second Year	......	48	......	48
Third Year	......	22	......	22
Fourth Year	......	14	......	14
Graduate Students	......	1	......	......
Faculty of Forestry—				
First Year	......	1	......	1
Second Year	......	14	......	14
Third Year	......	3	......	3
Total	13	153	50	199

DEPARTMENT OF PHILOSOPHY

		History of Philosophy and Metaphysics		Logic		Ethics	
		Pass	Honours	Pass	Honours	Pass	Honours
First Year		......	......	......	......	......	9
Second Year		......	20	......	20	......	12
Third Year		24	22	94	22	47	13
Fourth Year		30	4	......	4	17	1
Graduate Students	20	......	......	......	......	......	......
Total	20	54	46	94	46	64	35

DEPARTMENT OF POLITICAL SCIENCE

	Pass	Honours
Faculty of Arts—		
Department of Political Science—		
First Year	....	16
Second Year	126	32
Third Year	109	43
Fourth Year	64	41
Graduate Students	....	14
Department of Commerce and Finance—		
First Year	....	29
Second Year	....	21
Third Year	....	9
Fourth Year	....	7
Department of Modern History—		
First Year	....	1
Second Year	....	3
Third Year	....	2
Fourth Year	....	8
Department of Philosophy—		
Third Year	11	....
Department of Household Science—		
Fourth Year	10	....
Department of Social Service—		
First Year	44	....
Department of English and History—		
Second Year	24	....
Faculty of Applied Science—		
Second Year	193	....
Faculty of Medicine—		
Second Year	76	....
Faculty of Forestry—		
Third Year	15	....
Department of Commerce—(New Commerce Course)—		
First Year	....	25
Second Year		11
Department of Public Health Nursing—	46	
Occasional Students	....	6
Totals	718	268

DEPARTMENT OF HISTORY

	Pass	Honours
First Year	33	75
Second Year	121	65
Third Year	91	91
Fourth Year	57	68
Total	302	289

DEPARTMENT OF ITALIAN AND SPANISH

	Italian		Spanish	
	Pass	Honours	Pass	Honours
First Year	25	4	127	84
Second Year	4	3	38	45
Third Year	4	2	27	25
Fourth Year	2	....	10	8
Graduate Students	....	2	....	3
Total	35	11	202	165

DEPARTMENT OF HOUSEHOLD SCIENCE

	Pass Course	Household Science Course	Total
Faculty of Arts—			
First Year	....	20	20
Second Year	....	14	14
Third Year	8	19	27
Fourth Year	8	17	25
Graduate Students	....	....	3
Faculty of Medicine—			
Third Year	....	....	42
Department of Public Health Nursing	....	....	44
Extension Courses	....	....	128
Total	16	70	303

(3) Registration in Courses in the Faculty of Arts, 1921-1922.

Courses	First Year				Second Year				Third Year				Fourth Year				Total
	U C	V C	T C	M C	U C	V C	T C	M C	U C	V C	T C	M C	U C	V C	T C	M C	Total
Pass	334	108	32	83	131	45	21	30	94	49	18	24	59	21	6	21	1,076
Classics	4	4	1			2	2	1	2	2	2	2	7			1	29
Greek and Hebrew	1								1								2
Orientals					2				2	4							8
Orientals (Greek Option)									1				1				2
French, Greek and Latin			1		1	1	1			1							5
Moderns	46	12	3	10	31	16	1	4	27	14	1	5	17	5	2	3	197
English and History	6	9	4	3	15	5		5	8	9	2	1	13	3	2	1	86
Modern History	2	6	1		2			1	2	1			4	4			23
Political Science	13	3	3		18	10	1		30	8	4		26	13	3		132
Commerce and Finance	26	9			12	7	1		8	1			7				71
Philosophy	1			2	4	7		3	2	3		5		2	2	7	38
Philosopy, English and History	4	1	2	2	4	3			13	5	1						35
Mathematics and Physics	12	6	1		12	8			7	5			6	4	1		62
Natural and Physical Sciences	25	17		1													43
Physics					1												1
Biology					1	2	1		3				3				10
Physiology and Biochemistry					1		1										2
Physiological and Biochemical Sciences													11	3			14
Biological and Medical Sciences					9	6	1		12	6	2	1	1	1			39
Chemistry and Mineralogy I					5	3			1	1							10
Chemistry and Mineralogy II									3				2	2			7
Chemistry					4	1			12	2	1	1	3	1	2		27
Geology and Mineralogy					1												1
Household Science	1	1			2				2	1				1			8
Household Economics	11	7			3	8	1		8	8			7	9			62
Science for Teachers								1	1	3			1	1			7
Commerce	19	4			8	1		1									33
Totals	505	187	48	101	267	125	31	46	239	123	31	39	168	70	18	33	2,030

(4) REGISTRATION FOR GRADUATE COURSES.

Faculty of Arts:

		M.A.	Ph.D.	Graduate
Department of	Anatomy	1	2	....
"	Astronomy	2	....	....
"	Bacteriology	1	2	....
"	Biochemistry	5	....	1
"	Biology	1	3	....
"	Botany	3	10	....
"	Chemistry	12	10	....
"	Classics	9	....	....
"	Educational Theory	7	....	....
"	English	8	....	7
"	Food Chemistry	6	....	....
"	Geology and Palæontology	1	2	....
"	German	2	....	....
"	History	9	1	2
"	Household Science	2	....	1
"	Hygiene		3	....
"	Mathematics	3	1	1
"	Mineralogy	1	....	....
"	Oriental Languages		1	....
"	Pathological Chemistry		1	....
"	Philosophy	12	3	5
"	Physics	10	7	....
"	Physiology	3	1	....
"	Political Science	10	3	....
"	Romance Languages	4	4	3
"	Zymology	2	2	....
	Miscellaneous		1	....
		114	57	20

Faculty of Medicine: M. D. 7

	Men	Women	Total
Candidates for Ph.D.	47	10	57
Candidates for M.A.	77	37	114
Candidates for M.D.	7	....	7
Graduate Students	10	10	20
Total	141	57	198

APPENDIX C,

Results of Examinations.

(1) Faculty of Arts.
(2) Faculty of Medicine.
(3) Faculty of Applied Science and Engineering.
(4) Faculty of Forestry.
(5) Ontario College of Education.
(6) Faculty of Music.

(1) Faculty of Arts.

First Year

	University of Toronto	Univ. Coll.	Vic. Coll.	Trin. Coll.	St. M. Coll.	Totals	Passed	Starred	Failed	Transferred	Aegrotat	Deferred	Debarred
Pass	....	286	103	33	91	513	198	160	155	....	10	....	80
Supplementals	....	60	19	9	11	99	50	45	4	....	1	....	....
Classics	....	4	4	1	....	9	9	....	....	....	....	....	....
French, Greek and Latin	....	....	....	1	....	1	....	1	....	....	....	1	1
Moderns	....	44	12	3	10	69	63	6	....	16	2	....	4
English and History	....	7	9	2	3	21	17	4	....	1	....	....	....
Modern History	....	2	5	1	....	8	8	....	....	1	....	....	....
Political Science	....	12	3	3	....	18	14	4	....	5	....	....	....
Phil., English and History	....	3	1	2	2	8	6	2	....	....	....	....	2
Commerce and Finance	....	25	7	....	....	32	23	9	....	8	....	....	1
Philosophy	....	1	....	....	2	3	1	2	....	1	....	....	....
Mathematics and Physics	....	11	6	1	....	18	15	3	....	5	....	1	1
Natural and Physical Science	....	23	16	....	1	40	35	4	1	....	1	1	1
Household Economics	....	15	5	....	....	20	19	1	....	....	1	....	....
Commerce	....	19	4	....	....	23	10	13	....	4	....	....	6
Occasional	....	15	1	....	2	18	9	....	9	....	....	....	....
Teachers	33	....	....	....	....	33	8	15	10	....	....	....	....
Total	33	527	195	56	122	933	485	269	179	41	15	3	96

Second Year

	University of Toronto	Univ. Coll.	Vic. Coll.	Trin. Coll.	St. M. Coll.	Totals	Passed	Starred	Failed	Transferred	Aegrotat	Deferred	Debarred
Pass	....	131	49	23	28	231	110	80	41	....	....	....	36
Supplementals	....	22	8	6	3	39	33	6	....	....	....	....	....
Classics	....	....	2	3	1	6	6	....	....	....	....	....	....
Orientals	....	2	1	....	....	3	2	1	....	....	....	....	....
French, Greek and Latin	....	1	1	....	....	2	2	....	....	....	....	....	1
Moderns	....	31	15	1	4	51	44	7	....	4	2	....	2
English and History	....	14	5	....	5	24	21	1	2	1	4	....	1
Modern History	....	2	....	....	1	3	3	....	....	1	....	....	....
Political Science	....	16	10	1	....	27	21	6	....	4	2	....	1
Commerce and Finance	....	11	6	1	....	18	10	7	1	5	2	1	1
Philosophy	....	4	6	....	3	13	11	2	....	....	....	1	1
Phil., English and History	....	4	4	....	....	8	6	1	1	1	....	....	....
Mathematics and Physics	....	12	7	....	....	19	15	3	1	1	....	1	1
Physics	....	1	....	....	....	1	1	....	....	....	....	....	....
Biology	....	1	2	1	....	4	3	1	....	1	....	....	....
Physiology and Biochemistry	....	1	....	....	....	1	1	....	....	....	....	....	....
Biological and Medical Science	....	8	7	1	....	16	15	1	....	....	1	....	1
Chemistry and Mineralogy	....	5	2	....	....	7	5	2	....	....	....	1	1
Chemistry	....	4	2	....	....	6	3	2	1	2	....	....	....
Geology and Mineralogy	....	1	....	....	....	1	1	....	....	....	1	....	....
Household Science	....	2	....	....	....	2	2	....	....	....	....	....	....
Household Economics	....	4	7	1	....	12	8	4	....	....	....	2	2
Science for Teachers	....	....	....	....	1	1	1	....	....	....	....	....	....
Commerce	....	9	1	....	1	11	3	7	1	....	....	....	....
Occasional	5	7	1	....	7	20	9	6	5	....	....	....	....
Teachers	94	....	....	....	....	94	64	20	10	....	....	....	....
Totals	99	293	136	38	54	620	400	157	63	20	12	6	48

Third Year

	University of Toronto	Univ. Coll.	Vic. Coll.	Trin. Coll.	St. M. Coll.	Totals	Passed	Starred	Failed	Transferred	Aegrotat	Deferred	Debarred
Pass	....	97	45	22	24	188	144	33	11	....	5	....	....
Supplementals	....	8	6	2	1	17	12	5	....	....	1	....	....
Classics	....	2	1	2	2	7	7	....	....	....	....	....	....
Orientals	....	2	4	....	....	6	5	....	1	....	....	....	....
Orientals (Greek Option)	....	1	....	....	....	1	1	....	....	....	....	....	....
Greek and Hebrew	....	27	12	1	5	45	42	2	1	....	2	....	....
Moderns	....	1	....	....	....	1	1	....	....	....	....	....	....
French, Greek and Latin	....		1	....	....	1	1	....	....	....	....	....	....
English and History	....	8	9	2	1	20	20	....	....	....	....	....	....
Modern History	....	1	1	....	....	2	1	1	....	....	....	....	....
Political Science	....	29	8	4	....	41	37	4	....	....	1	....	....
Commerce and Finance	....	8	1	....	....	9	8	1	....	....	....	....	....
Philosophy	....	2	4	1	5	12	11	1	....	1	1	....	....
Philosophy, English and History	....	10	5	....	....	15	14	1	....	....	....	....	....
Mathematics and Physics	....	6	5	....	....	11	11	....	....	....	....	2	2
Physics	....	1	....	....	....	1	1	....	....	....	....	....	....
Biology	....	3	....	....	....	3	2	1	....	....	....	....	....
Biological and Medical Science	....	12	6	2	1	21	19	2	....	....	1	....	....
Chemistry and Mineralogy I.	....	1	1	....	....	2	2	....	....	....	....	....	....
Chemistry and Mineralogy II.	....	3	....	....	....	3	2	1	....	....	....	....	....
Chemistry	....	12	2	1	1	16	11	3	2	....	....	1	1
Household Science	....	2	1	....	....	3	2	1	....	....	....	....	....
Household Economics	....	8	7	....	....	15	10	5	....	1	....	....	....
Science for Teachers	....	1	3	....	....	4	4	....	....	....	....	....	....
Occasionals	1	7	2	....	2	12	9	3	....	....	....	....	....
Teachers'	28	....	....	....	....	28	25	2	1	....	....	....	....
Totals	29	252	124	37	42	484	402	66	16	2	11	3	3

Fourth Year

	University of Toronto	Univ. Coll.	Vic. Coll.	Trin. Coll.	St. M. Coll.	Totals.	Passed	Granted standing on Active Service.	Starred	Failed	Aegrotat	Debarred	Pass Degree
Pass	....	68	28	6	21	125	100	14	10	1	2	..	..
Classics	....	7	....	....	1	8	8	....	....	....	....	..	..
Orientals	....	1	....	....	....	1	....	1	....	....	....	..	..
Orientals (Greek)	....	2	....	....	....	2	1	1	....	....	....	..	..
Greek and Hebrew	....	1	....	....	....	1	....	1	....	....	....	..	..
Moderns	....	18	6	2	3	29	28	1	....	....	....	..	..
English and History	....	13	4	3	1	21	17	3	1	....	2	..	..
Philosophy, English and History	....	4	2	....	....	6	....	6	....	....	....	..	..
Modern History	....	4	4	....	....	8	8	....	....	....	....	..	..
Political Science	....	33	17	3	....	53	40	12	1	....	1	..	..
Commerce and Finance	....	11	....	....	....	11	7	4	....	....	....	..	..
Philosophy	....	1	2	2	7	12	10	1	1	....	....	..	..
Mathematics and Physics I	....	5	3	1	....	9	8	1	....	....	....	..	..
Mathematics and Physics II	....	3	1	....	....	4	4	....	....	....	....	..	..
Biology I	....	1	....	....	....	1	1	....	....	....	....	..	..
Biology II	....	1	....	....	....	1	1	....	....	....	....	..	..
Biology III	....	1	....	....	....	1	1	....	....	....	....	..	..
Physiology and Biochemistry	....	12	3	....	....	15	15	....	....	....	....		2
Biological and Medical Science	....	1	1	....	....	3	1	1	....	1	....	..	..
Chemistry and Mineralogy I	....	2	1	....	....	3	1	2	....	....	....	..	..
Chemistry and Mineralogy II	....	3	1	....	....	4	2	1	1	....	....	..	..
Chemistry	....	9	2	2	....	13	6	7	....	....	....	..	..
Household Science	....	....	1	....	....	1	1	....	....	....	....	..	..
Household Economics	....	7	8	....	....	15	15	....	....	....	....	..	..
Science for Teachers	....	2	3	....	....	5	2	2	1	....	....	..	..
Teachers	18	....	....	....	....	18	17	....	1	....	....	..	..
Totals	18	210	88	20	34	370	249	58	16	2	5		2

(2) FACULTY OF MEDICINE

	Passed	Starred	Failed
First Year (Six Years' Course)	73	35	21
Second Year	129	33	4
Third Year (Six Years' Course)	101	17	11
Third Year (Five Years' Course)	147	46	10
Fourth Year (Five Years' Course)	156	50	8
Fifth Year (Five Years' Course)	130	19	5
Totals	736	200	59

(3) Faculty of Applied Science and Engineering

	Passed with Honours	Passed	Starred	Failed
First Year:				
Civil Engineering	4	15	5	5
Mining Engineering	1	4	3	2
Mechanical Engineering	4	22	9	5
Architecture	1	8	3	...
Chemical Engineering	5	24	8	5
Electrical Engineering	15	39	20	6
Metallurgical Engineering	1	3	1	2
Second Year:				
Civil Engineering	2	27	18	4
Mining Engineering	2	6	3	2
Mechanical Engineering	4	28	11	5
Architecture	1	6	5	2
Chemical Engineering	4	32	20	7
Electrical Engineering	9	40	17	6
Metallurgical Engineering	...	2	...	1
Third Year:				
Civil Engineering	5	37	24	7
Mining Engineering	4	17	9	...
Mechanical Engineering	6	50	24	7
Architecture	2	10	1	...
Chemical Engineering	3	51	15	...
Electrical Engineering	8	55	26	15
Metallurgical Engineering	1	7	4	...
Fourth Year:				
Civil Engineering	8	24	11	...
Mining Engineering	3	11	...	...
Mechanical Engineering	3	24	4	...
Architecture	...	3	...	...
Chemical Engineering	20	16	...	1
Electrical Engineering	5	31	...	2
Metallurgical Engineering	1	2	...	...

(4) Faculty of Forestry

	Passed	Honours Deferred	Failed
First Year	7	5	6
Second Year	5	6	2
Third Year	4	5	2
Fourth Year	11	2	...
Special Students	3	1	...

(5) ONTARIO COLLEGE OF EDUCATION

	Passed	Failed
*High School Assistants' Course	132	....
Specialists' Course	85	....
First Class Public School Course	32	....
Elementary Art Course	24	....
Elementary Physical Culture Course	73	....
One Year Household Science Course	13	....
Bachelor of Pedagogy Course	2	....
Bachelor of Pedagogy Course (passed in part)	5	....
Doctor of Pedagogy Course	3	....
Doctor of Pedagogy Course (passed in part)	54	....
Number who failed in whole or part	....	27

*Many of these are included among those who passed or failed in the other courses in this list.

(6) FACULTY OF MUSIC

	Passed	Starred	Failed
Bachelor of Music:			
First Year	9	2	4
Second Year	3	1	2
Third Year	3	1	....
	15	4	6

APPENDIX D.

Geographical Distribution of Students

The geographical distribution of students is as follows:—

FACULTY OF ARTS

	University of Toronto	University College	Victoria College	Trinity College	St. Michael's College	Total
Ontario: (1) Province...	110	564	316	99	122	1,211
(2) Toronto....	137	613	160	23	104	1,037
Nova Scotia..........	4	3	1	....	....	8
New Brunswick........	....	4	2	1	....	7
Prince Edward Island...	....	2	....	1	....	3
Quebec................	3	3	3	....	....	9
Manitoba..............	13	3	3	2	....	21
Saskatchewan..........	9	11	25	1	1	47
Alberta...............	5	9	4	1	....	19
Yukon.................	....	1	....	....	1	2
British Columbia.......	3	17	4	3	1	28
United States..........	23	7	5	4	3	42
Elsewhere.............	7	17	19	1	1	45
Duplicate registrations..	....	3	....	....	....	25
Totals....	314	1,251	542	136	233	2,454

SUMMARY

	Faculty of Arts	Graduate Studies	Faculty of Medicine	Faculty of Applied Science	College of Education	Faculty of Forestry	Faculty of Music	Department of Social Service	Department of Public Health Nursing	Totals
Ontario:										
(1) Province.......	1,211	76	598	442	204	25	8	139	22	2,725
(2) Toronto.......	1,037	90	368	324	110	25	28	133	42	2,157
Nova Scotia..........	8	5	7	5	3	1	......	10	1	40
New Brunswick......	7	2	......	......	2	1	......	3	3	18
Prince Edward Island.	3	1	......	......	1	......	......	2	....	7
Quebec..............	9	2	6	4	1	1	......	6	2	31
Manitoba...........	21	1	4	5	4	3	......	2	....	40
Saskatchewan........	47	3	22	11	13	......	3	2	....	101
Alberta............	19	1	12	9	9	1	......	3	....	54
British Columbia.....	28	3	40	7	3	2	1	4	2	90
Yukon..............	2	....	......	......	......	......	......	......	....	2
United States........	42	9	6	3	1	1	4	1	3	70
Elsewhere...........	45	5	9	11	2	2	......	5	2	81
Duplicates..........	25	....	......	......	......	......	......	......	....	67
Totals.............	2,454	198	1,072	821	353	62	44	310	77	5,349

The students from the Province of Ontario are distributed as follows:—

County	Faculty of Arts Arts	Graduate Studies	Faculty of Medicine	Faculty of Applied Science	College of Education	Faculty of Forestry	Faculty of Music	Department Social Service	Department of Public Health Nursing	Totals
Algoma	12		8	7	2	1	1	3		34
Brant	35	3	21	16	3	1				79
Bruce	20		17	12	3	1	1	2	3	59
Carleton	66	6	15	13	13	3		6	2	124
Dufferin	11	1	13	2	1	1				29
Dundas	11	3	2	2	3				1	22
Durham	18	1	9	5	5			2		40
Elgin	18	1	15	13	2			2		51
Essex	33		14	11	6	1		1		66
Frontenac	2	2			8	1		3		16
Glengarry	4				1					5
Grenville	2		2	3	1			1		9
Grey	39		27	8	3	2		8	2	89
Haldimand	7		14	7	5					33
Haliburton	1									1
Halton	21	1	11	12	2		2	4	1	54
Hastings	20	2	18	4	7			8		59
Huron	36	5	27	16	13			5		102
Kenora	1		4							5
Kent	32		14	7	2					55
Lambton	27	1	25	9	2			3		70
Lanark	17	1	5	4	7	2		4		40
Leeds	19		8	1	4	1		5		38
Lennox and Addington	14	1	4	1	1			2	1	24
Lincoln	35	3	15	8	5			1		67
Manitoulin	1		3							4
Middlesex	29	6	12	23	16	1	1	7	2	97
Muskoka	8		2	9		1		2		22
Nipissing	5		5	7	2				1	20
Norfolk	13		7	6	1			1		28
Northumberland	29	1	8	5	5		1	2		50
Ontario	30	3	23	17	3			8		85
Oxford	35	4	9	10	2			5	2	67
Parry Sound	7		5	3		1		1		17
Peel	20		10	8	2			1	2	43
Perth	48	4	20	18	9			5		104
Peterborough	39	1	10	7	12			1		70
Prescott	1		3		4					8
Prince Edward	4		4	1	1			1		11
Rainy River	2									2
Renfrew	20		2	4	2			4		32
Russell	3			2	2					7
Simcoe	53	4	38	22	5			14	1	137
Stormont	10		1	2	5			1		19
Sudbury	5									5
Thunder Bay	10		2	5	1					18
Timiskaming	5			4				1		10
Victoria	20	1	11	11	5			4	1	53
Waterloo	33		13	26	3	1		2		78
Welland	33	1	23	12	1			2		72
Wellington	64	6	25	11	5	2		2	2	117
Wentworth	130	8	32	25	13			8		218
York	53	6	39	43	6	5	2	7	1	160
Toronto	1,037	90	368	324	110	25	28	133	42	2,157
Totals	2,248	166	966	766	314	50	36	272	64	4,882

SUPERINTENDENT'S REPORT

BUILDINGS.

This office has been busier this year on prospective buildings than it has on buildings actually under construction. The Anatomy Building was started about the middle of August, 1921, and satisfactory progress has been made in its erection. This building will be completely ready for occupation January 1st, 1923. The Superintendent's Department did the plumbing, heating and ventilating, electric wiring, painting and furnishing of the building, our contracts amounting to $120,000.00.

During the year the Nicholls' property at No. 79 St. George Street was acquired by the University and plans have been prepared for an addition to, and the renovation of the house on this property for its use as the University College Women's Union. It is hoped to start this work in July, 1922, and have it ready for occupation in January, 1923.

This office has also been engaged in the development of plans for additions to the Ontario College of Education and an Administration Building. It is hoped that both of these buildings can be started this fall.

It is also expected that a start will be made on the Memorial Tower this fall.

GROUNDS.

A design for fencing around University property has been adopted and a start made by the erection of an iron fence of this approved design along the Campus on Hoskin Avenue. No attempt is being made to repair the Campus until the Memorial Tower is completed.

WORKSHOPS.

The amount of work passing through our workshops amounted to approximately $175,000.00. The average number of tradesmen employed was 67, while the total number of all employees operating under the supervision of this office was 175.

PURCHASING.

During the year 5,778 departmental orders were sent out, besides 2,000 merchandise orders for material used by this department. The purchase of supplies also involved the making of 663 customs entries.

POWER HOUSE.

I am glad to be able to report that the cost of operation of the power house has dropped very materially. The cost of heating per square foot of radiation has decreased from 57.6 cents in 1920-21 to 39.27 cents in 1921-22. This decrease is due largely, to the fact that coal, for 1921-22 cost us $8.78 delivered in bunkers, while in 1920-21 it cost us $12.87 delivered in bunkers. The last complete test on the operation of the power house was made on boilers No. 1 and No. 2 in May, 1921, and shows the very satisfactory efficiency of 76.4%.

Comparative tables, showing the operation of the Central Plant, and the distribution of charges for the years 1920-21 and 1921-22, are appended.

A. D. LEPAN,
Superintendent.

POWER HOUSE—COAL.

	1920-1921	1921-1922
Maximum Daily Consumption	79 tons	79 tons
Maximum Weekly Consumption	403 “	447 “
Average Daily Consumption:		
September-October	15 “	21 “
November	39 “	34 “
December	41 “	47 “
January	49 “	53 “
February	48 “	52 “
March	38 “	37 “
April	24 “	27 “
May	16 “	13 “
Total Consumption	8458-1060 tons	8655-0590 tons
Total Cost of Operation	$147,625 23	$104,751 15
Load in square feet of radiation	238,291	239,061
Light and Power Charges	$ 10,297 59	$ 10,861 07
Cost of Heat	$137,327 64	$ 93,890 08
Cost of heat per square foot of radiation	57.630c.	39.274c.

NOTE: In this distribution of cost no allowance is made for high pressure steam supplied.

TEMPERATURES.

	1920-1921		1921-1922	
October	54.9	8.3 above aver.	50.3	3.8 above aver.
November	36.7	0.8 “ “	36.4	0.4 “ “
December	31.5	5.3 “ “	28.3	2.1 “ “
January	27.8	6.0 “ “	23.2	1.4 “ “
February	28.5	6.4 “ “	26.5	4.0 “ “
March	38.5	9.8 “ “	34.2	5.5 “ “
April	49.3	8.1 “ “	45.4	4.2 “ “
May	60.0	7.6 “ “	59.7	7.3 “ “
Yearly Average		6.5 “ “		3.6 “ “

General average of temperatures taken from years 1840-1898.

COMPARATIVE STATEMENT OF DISTRIBUTION OF COST OF OPERATING POWER HOUSE

Buildings	1920—1921		1921—1922		1920—1921		1921—1922	
	Square Feet of Radiation in Building	Percentage Charge	Square feet of Radiation in Building	Percentage Charge	Light	Heat	Light	Heat
					$ c.	$ c.	$ c.	$ c.
Main	13,844	6.701	13,844	6.203	323 48	9,202 33	330 18	5,824 00
Political Science					12 56		11 96	
Hart House	31,134	12.623	29,664	12.176	2,585 96	17,334 86	2,413 70	11,432 05
Library	10,900	4.028	10,900	3.736	220 50	5,531 56	167 44	3,507 73
Medical	8,183	3.987	8,423	4.688	500 74	5,475 25	909 34	4,401 57
Biological	8,407	3.139	8,407	3.023	113 72	4,310 71	128 24	2,838 30
Engineering	9,453	3.745	9,453	3.603	306 66	5,142 92	350 92	3,382 86
Thermodynamics	5,236	2.065	5,236	2.028	89 98	2,835 82	119 92	1,904 09
Observatory	674	.247	674	.280	15 00	339 20	186 72	262 89
Mining	14,083	6.276	14,083	6.201	978 92	8,618 68	985 50	5,822 12
Furnace					120 94		39 22	
Milling					28 60		57 20	
Chemical	6,867	2.909	6,867	2.670	326 44	3,994 86	281 96	2,506 87
Physics	20,648	8.352	20,648	6.723	919 30	11,469 60	690 38	6,312 23
Convocation Hall	6,689	2.813	7,689	3.220	53 10	3,863 03	55 08	3,023 26
Men's Residences	9,336	4.627	9,336	4.719	469 34	6,354 16	472 14	4,430 67
Household Science	10,137	3.636	10,137	4.485	159 62	4,993 23	133 86	4,210 97
Museum	17,231	5.730	17,231	6.204	188 20	7,868 87	157 18	5,824 94
Electrical	8,977	3.306	8,977	3.956	18 28	4,540 05	540 44	3,714 29
Elect. Engineer					589 48		209 34	
Press	2,812	1.111	2,812	1.044	289 80	1,525 71	275 00	980 21
Wycliffe College	12,371	6.160	12,371	6.218	229 40	8,459 38	258 00	5,838 09
Victoria College	9,028	9.430	9,028	8.668	169 20	12,950 00	163 52	8,138 39
Burwash Hall	8,377		8,377		441 06		440 78	
Victoria College Library	4,021		4,021		40 04		44 64	
Burwash Dining Hall					109 72		125 64	
Annesley Hall	4,481	1.992	4,481	2.141	186 76	2,735 57	254 86	2,010 19
Knox College	15,402	7.123	15,402	6.882	284 20	9,781 85	339 80	6,461 52

COMPARATIVE STATEMENT OF DISTRIBUTION OF COST OF OPERATING POWER HOUSE—*Continued*

Buildings	1920—1921		1921—1922		1920—1921		1921—1922	
	Square Feet of Radiation in Building	Percentage Charge	Square Feet of Radiation in Building	Percentage Charge	Light	Heat	Light	Heat
Univ. Coll. Wom. Union					29 50		35 79	
No. 4 Queen's Park					69 22		120 66	
Social Service					8 60		10 88	
No. 184 College Street					12 92		13 18	
No. 100 Queen's Park					26 00		34 73	
Grounds					250 00		250 00	
Stadium					130 35		252 87	
Anatomy			1,000	1.132				1,062 84
	238,291	100.000	239,061	100.000	10,297 59	137,327 64	10,861 07	93,890 08

AUDITOR'S REPORT

Toronto, 20th October, 1922.

To the Governors of the University of Toronto:

GENTLEMEN:—

Herewith I present the Financial Statement of the University for the fiscal year ending 30th June, 1922, and beg to report that all the transactions of the year upon Revenue Account and Capital Account have been duly audited and approved of.

Yours faithfully,

(Sgd.) G. T. CLARKSON,

Auditor.

FINANCIAL STATEMENT

Appendix I.

BALANCE SHEET, 30TH JUNE, 1922.

Funds and Liabilities.

General Endowments Fund	Schedule 1	$6,882,852 45	
Specific Endowment Funds	" 2	231,813 08	
Retirement Fund	" 3	39,601 74	
Trust Funds	" 4	335,566 97	
Annuity Debentures	" 5	895,278 18	
Contingent Funds, etc.	" 6	353,869 39	
Fees paid in advance		1,021 00	
			$8,740,002 81

Assets.

Site Lands, Buildings and Contents	Schedule 7	6,514,221 67	
Unproductive Lands	" 8	57,185 32	
Leased Properties	" 9	623,854 78	
Investments, Cash and Accounts Receivable	" 10	1,531,453 10	
Superintendent's Stores	Appendix V	13,287 94	
			8,740,002 81

SCHEDULE 1.

General Endowments Fund.

Additions for 1921-22:			
Anatomical Building,			
Grant for construction received from the Legislature		500,000 00	
Convocation Hall Advance:			
Restoration from proceeds of Wild Lands Sales, sixteenth instalment		1,051 84	
Sale of part Lot No. 5, Con. 9, Otonabee		75 00	
Annuity Debentures:			
Portion of 1921-22 instalments reducing principal:			
Thirteenth instalment, issue of July, 1909	$8,423 65		
Eleventh instalment, issue of January, 1911	2,023 00		
Eleventh instalment, issue of January, 1911	4,669 00		
Seventh instalment, issue of April, 1915	1,337 78		
		16,453 43	
Building No. 6 Queen's Park, further payment upon purchase		642 08	
Building No. 100 Queen's Park, fourth of ten instalments paid on purchase		720 00	
Building No. 8 Queen's Park, seventh of ten instalments paid on purchase		750 00	
Building No. 184 College Street, sixth of ten instalments paid on purchase		500 00	
Building No. 86 Queen's Park, first instalment paid on purchase price of $33,000		8,000 00	
Valuation of site thereof, 32,800 sq. ft. at 40c. per sq ft., upon transfer to Site Lands account	$13,120 00		
Less hitherto carried in Leased Lands	12,000 00		
		1,120 00	
Library proper:			
Additions for year, less depreciation (Schedule 7)		17,075 11	
			546,387 46
Return of 30th June, 1921			6,336,464 99
Return of 30th June, 1922			6,882,852 45

Note: This statement does not include any assets or liabilities of The Toronto Conservatory of Music.

SCHEDULE 2.

Specific Endowment Funds (Scholarships, Prizes, etc.).

Blake Matriculation		$30,868 72	
Charles Mickle Fellowship		29,149 07	
Ellen Mickle Fellowship		29,026 73	
Mackenzie Memorial		18,142 60	
McCharles Bequest		13,095 46	
John McCrae Scholarship		11,457 36	
James H. Richardson Research Fellowship		10,000 00	
Khaki University Memorial Scholarships		7,537 50	
Starr Bequest		6,557 84	
Pearson Kirkman Marfleet Lectureship		6,019 10	
George Brown, Medical Science		5,391 72	
Porter, University Schools		5,000 00	
Young Memorial		4,614 24	
Gibson, Pass Matriculation		4,330 00	
Marion E. Dickenson, Household Science		4,220 00	
Blake, Science and Moderns		3,750 00	
Fulton Bequest		3,351 30	
George A. Peters Scholarship		3,100 00	
Mary Mulock, Classics		2,838 74	
Gibson, Matriculation		2,765 00	
Graduate Fellowships (Sundry)		2,625 00	
A. A. A. S. Scholarship, Physics		2,350 00	
All Souls Historical Essay Prize		2,230 00	
John Macdonald, Philosophy		2,080 00	
Moss, Classics		2,000 00	
William Mulock, Classics and Mathematics		2,000 00	
Daniel Wilson, Natural Science		2,000 00	
William Hardie		1,760 00	
Bankers', Political Science		1,200 00	
William Ramsay, Physics		1,157 62	
Balmer, Science		1,131 58	
George Brown, Modern Languages		1,128 34	
Quebec Bonne Entente Prize		1,100 00	
G. R. R. Cockburn, Greek		1,050 00	
Booth, University Schools		1,005 00	
William Ramsay, Political Economy		1,009 42	
Julius Rossin, German		1,000 00	
Prince of Wales, General Proficiency		950 00	
Anna Howe Reeve Prize		650 00	
Chappell Prize		627 63	
Lyle Medal		416 46	
Squair French Prose Prize		290 00	
R. A. Reeve Scholarship		250 00	
R. A. Reeve Prize		150 00	
Boiler Inspection and Insurance Company Scholarship		130 00	
Jardine Memorial Prize		100 00	
Board of Trade, Commerce and Finance		83 00	
Reading Camp Association Prize		50 00	
Menorah Prize		50 00	
Tracy Prize		20 00	
McCaul Scholarship		3 65	
Ledger balances on 30th June, 1922			$231,813 08
Return of 30th June, 1921		225,037 95	
Additions to funds during year (including income from investments)		13,294 12	
Interest written to endowments		7,797 81	
		246,129 88	
Expended for scholarships, prizes, etc.	$9,316 80		
Portion of Khaki University Memorial Fund transferred to Alumni Association for administration	5,000 00	14,316 80	
Return of 30th June, 1922			231,813 08

Schedule 3.

Retirement Fund Beneficiaries, 30th June, 1922.

W. Lash Miller	$12,271 29	
T. L. Walker	10,998 81	
W. A. Parks	5,999 05	
J. W. Bain	4,790 20	
H. W. Price	4,116 69	
J. Christie	1,425 70	
		$39,601 74
Fund of 30th June, 1921	34,792 47	
Contributions, 1921-22	2,973 00	
Interest written	648 27	
Interest from War Loan Bonds	1,188 00	
Return of 30th June, 1922		39,601 74

Schedule 4.

Trust Funds.

Connaught Antitoxin Laboratories:			
Research Fund	$110,000 00		
Health Service	8,175 68		
		118,175 68	
Library Funds:			
King Alfred Millenary	11,925 06		
Phillips Stewart	1,706 68		
John Squair (French) No. 1	1,228 00		
John Squair (French) No. 2	1,082 50		
Alex. Edwin Hamilton	956 95		
		16,899 19	
Massey Foundation		34,170 09	
Eaton Endowment		30,239 34	
E. C. Walker Bequest (Residences)		30,149 80	
Medical Research Fund		21,736 59	
Rockefeller Fund		17,984 64	
J. Harrington Walker Bequest (Residences)		15,681 75	
John Hoskin Bequest (not allocated)		14,245 00	
Massey-Treble Bequest, Household Science		8,341 20	
R. A. Reeve Bequests (not allocated)		5,500 00	
Carnegie Corporation Research (Physics)		4,522 76	
University Studies		2,123 77	
Fulford Estate Donation (Base Hospital)		2,061 61	
Caput Fines		1,916 68	
Advisory Council, Food Research		1,159 85	
Microscopes Fund, Pathology		1,057 10	
Public Health Nursing		782 23	
Special Investigation Fund, Pathology		682 50	
John Hughes Horton Bequest (not allocated)		670 18	
J. C. McLennan		625 00	
Ontario Archaeology Special Fund		485 00	
Mary A. Simpson Bequest (not allocated)		189 31	
Dental Research Fund		147 60	
McCormick Fund, Social Service Department		90 10	
Women's Residence		50 00	
John Langton Memorial		30 00	
Sundry Security Deposits:			
Residences		2,490 00	
Summer Session		1,250 00	
Keys		110 00	
R. J. Hamilton		2,000 00	
Ledger balances on 30th June, 1922			335,566 97
Return of 30th June, 1921		320,157 51	
Additions to funds during year		154,728 07	

Trust Funds.—Continued.

Interest written to endowments	$11,385 30	
	486,270 88	
Expended during year	150,703 91	
Return of 30th June, 1922		$335,566 97

SCHEDULE 5.

Annuity Debentures.

Issue of July, 1909, $500,000, repayable in forty equal annual amounts of $25,260 each,	
Value as on 30th June, 1922, of the (twenty-seven) outstanding instalments	412,485 17
Issue of January, 1911, under 1 George V, Cap. 80, for construction of Pathological building, $130,000, repayable in forty equal annual amounts of $6,568 each,	
Value as on 30th June, 1922, of the (twenty-nine) outstanding instalments	111,551 00
Accrued on 30th June, 1922, of twelfth payment and charged to Revenue, 1921-22	3,284 00
Issue of January, 1911, under 1 George V, Cap. 80, as a grant towards construction of Toronto General Hospital, $300,000, repayable in forty equal annual instalments of $15,157 each,	
Value as on 30th June, 1922, of the (twenty-nine) outstanding instalments	257,423 00
Accrued on 30th June, 1922, of twelfth payment and charged to Revenue, 1921-22	7,578 50
Issue of April, 1915, under R.S.O., 1914, Cap. 279, to provide for the payment of $100,000 to the Hart A. Massey Estate towards the Gymnasium portion of Hart House, $110,000, repayable in forty equal annual instalments of $5,975 each,	
Value as on 30th June, 1922, of the (thirty-three) outstanding instalments	101,711 71
Accrued on 30th June, 1922, of eighth payment and charged to Revenue, 1921-22	1,244 80
	895,278 18

SCHEDULE 6.

Contingent Funds, etc.

Contingent Fund (Investment Reserve):		
Balance 30 June, 1921	$22,603 15	
Added thereto, profit on conversion of Victory bond issues	2,250 00	
		24,853 15
Organ Fund:		
Balance on 30 June, 1921	3,156 67	
Surplus music fees transferred	1,238 25	
	4,394 92	
Expenditure, 1921-22	326 80	
		4,068 12
Special Grant voted by Legislature for 1921-22	880,000 00	
Balance brought forward from 1920-21	2,219 08	
	882,219 08	
Deficit upon ordinary Revenue account for the year as per Schedule 6a	770,999 79	
		111,219 29
Ontario College of Education Grant:		
Balance brought forward from 1920-21		33,000 00
Legislative Grant for Electrical Engineering building:		
Balance brought forward from 1920-21	25,651 07	
Expenditure 1921-22	22,350 96	
		3,300 11

Contingent Funds.—Continued.

Legislative Grant for Anatomical building:		
Balance on hand 30 June, 1922, of grant received during year ($500,000 00) Less expended to date ($259,381 95)		$240,618 05
		$417,058 72
Sundry Ledger Balances (items in suspense):		
Women's Union building	$35,077 09	
Publications Account, University Press	3,131 82	
Fire premiums paid in advance	24,980 42	
		63,189 33
		$353,869 39

SCHEDULE 6*a*.

Revenue, 1921-22.

Receipts

		Estimate.	Actual.
Legislative Grant, University Act, 1906		$500,000 00	$500,000 00
Legislative Grant, 60 Vict., Cap. 59		7,000 00	7,000 00
Fees, University and College, as detailed in Appendix II		350,000 00	363,461 90
Interest:			
On Purchase Moneys			1,403 65
On Loans			381 07
On Debentures			8,033 58
On War Loan Bonds			11,058 88
On University Press Advance			2,300 96
On Bank Balances		55,000 00	1,129 09
Rentals:			
University Park ground leases			19,251 75
City of Toronto payment			6,000 00
Business properties			10,469 75
Sundry houses, etc.			1,609 66
Sundry Land Earnings			370 25
Men's Residence Dues		22,000 00	20,532 35
Women's Residence Dues: (Queen's Hall group, $30,500.20; St. George Street, $6,061.60; Argyll House, $4,567.10)		37,000 00	41,128 90
University College Women's Union:			
Membership fees		2,000 00	2,137 00
Receipts from rooms and meals		22,000 00	20,753 20
Central Power Plant:			
Wycliffe, Victoria and Knox Colleges	$29,312 57		
Royal Ontario Museum	5,982 12		
Sundry Accounts	1,508 08		
		43,000 00	36,802 77
Casual Revenue		500 00	552 05
		1,038,500 00	1,054,376 81

Expenditures.

Under appropriations as per Appendix III	1,894,726 00	1,805,545 22
Interest written to Scholarship and other Funds	13,500 00	19,831 38
Interest on bank overdraft	10,000 00	....
	1,918,226 00	1,825,376 60
Receipts as above	1,038,500 00	1,054,376 81
Expenditures in excess of receipts carried to Schedule 6	879,726 00	770,999 79

SCHEDULE 7.

Site Lands, Buildings and Contents.

Site Lands:		
2,851,995 sq. feet at forty cents per foot	$1,140,798 00	
210,303 sq. feet at cost price	179,648 00	$1,320,446 00
3,062,298 sq. feet.		
Buildings:		
Anatomical building	500,000 00	
Household Science building	455,000 00	
Main building	450,000 00	
Mining building and annex	384,736 89	
Physics building	363,945 85	
Electrical building	350,000 00	
Library building	327,425 50	
Convocation Hall and annex	214,866 22	
Education building and annex	191,082 10	
Pathological building	169,694 38	
Medical building	165,000 00	
Biological building	129,745 30	
Mechanical building	119,017 21	
Chemical building	77,469 88	
Engineering building	50,000 00	
Forestry building	30,101 65	
Press building	29,134 83	
Geodetic Observatory building	12,000 27	
Political Science building No. 1	11,933 26	
Political Science building No. 2	7,400 00	
Military Studies building	8,239 47	
Social Service building	7,500 00	
No. 1 Queen's Park (Department of Medicine)	6,075 77	
Men's Residences	170,000 00	
Women's Residences	85,706 36	
University College Women's Union	13,521 18	
Argyll House	10,450 00	
Y.M.C.A.	1 00	
Hart House (not appraised)	......	
President's House	33,000 00	
	4,373,047 12	
Less balances of purchase money yet due on Social Service and Military Studies buildings, Argyll House and President's House	33,570 00	
		4,339,477 12
Library	254,872 43	
General Museum Specimens	1 00	
Convocation Hall Organ	19,603 11	
		274,476 54
Departmental Equipment:		
Electrical Engineering	30,923 00	
Physics	29,250 00	
Household Science	19,000 00	
Pathology	18,440 56	
Mining	16,270 00	
Chemistry	14,040 00	
Surveying	12,980 00	
Physiology	12,500 00	
Architecture and Drawing	10,830 00	
Mineralogy	10,145 00	
Chemical Engineering and Applied Chemistry	10,114 00	
Applied Mechanics	10,075 00	
Education	10,000 00	
Mechanical Engineering	10,000 00	
Pathological Chemistry	7,925 74	
Geology	7,505 00	
Biology	6,131 25	
Botany	5,500 00	
Physics and Photography	4,127 00	

Site Lands, Buildings and Contents.—Continued.

Psychology	$2,700 00	
Pharmacology	2,430 00	
Astronomy	1,635 00	
Anatomy	1,340 00	
Mechanics	750 00	
Mathematics	500 00	
		$255,111 55
Furniture and Furnishings:		
Men's Residences	13,198 30	
Women's Residences	8,084 25	
University College Woman's Union	950 00	
Education building	1,775 91	
General furniture, various buildings	11,938 00	
		35,946 46
Athletic Field Stadium and equipment		11,817 88
Gymnasium equipment		7,620 19
Dining Hall equipment		1 00
Printing Plant		1 00
Connaught Laboratories, Farm, buildings and equipment		75,000 00
Antitoxin Laboratory (Medical building)		1 00
Central Power Plant		193,722 93
Surveying Practice Camp, Lutterworth Township		600 00
Total valuation		6,514,221 67

Return of 30 June, 1921		5,992,014 78	
Additions thereto:			
Library Proper:			
Value of additions for 1921-22 as reported by the Librarian	$24,957 76		
Less depreciation at 3% on $262,755.08 ...	7,882 65		
		17,075 11	
Anatomical building:			
Estimated cost of construction		500,000 00	
President's House:			
Cost price of building No. 86 Queen's Park, including surrender of lease, payable by instalments to 1926	33,000 00		
Less chargeable to future years	25,000 00		
	8,000 00		
Land, 32,800 sq. ft. at 40c. per sq. ft. (of which $12,000 formerly carried in Leased Lands)	13,120 00		
		21,120 00	
Property No. 69 St. George Street transferred from Leased Properties for use as Political Science building No. 2; Land, 17,820 sq. ft. at 40c.	12,600 00		
Balance of account attached to building ...	7,400 00		
		20,000 00	
Instalments paid on balances due on purchase of houses....		1,970 00	
			6,552,179 89

Contra.

Central Power Plant:		
Repayment from Revenue for 1921-22	20,208 00	
Press building:		
Repayment from earnings of Press for 1921-22 written off valuation	16,884 39	
Women's Residences:		
Furniture written off by application of credit from Sales of Wild Lands set apart for Women's Residences	865 83	
		37,958 22
Return of 30 June, 1922		6,514,221 67

SCHEDULE 8.

Unproductive Lands.

Vacant Land in Port Hope	$6,895 00	
Endowment Lands unsold in various townships	152 00	
U.C.C. Block on King Street	50,138 32	
		$57,185 32

Transactions, 1921-22.

Upper Canada College Block:		
Fencing and local improvement taxes	90 01	
Return of 30 June, 1921	57,095 31	
Return of 30 June, 1922		57,185 32

SCHEDULE 9.

Leased Properties.

Land leased to City of Toronto	120,000 00	
Park lots leased	406,621 40	
Toronto Business properties	61,401 00	
Caradoc Farm	2,700 00	
		590,722 40
House and land, 47 St. George Street	10,172 95	
Building, No. 719 Spadina Avenue	4,000 00	
Building, No. 721 Spadina Avenue	4,023 51	
Building, No. 6 Queen's Park	4,268 58	
		22,465 04
Rentals and City of Toronto payment accrued	11,829 84	
Rentals paid in advance (net)	1,162 50	
		10,667 34
		623,854 78

Return of 30 June, 1921	656,075 20		
Further payment upon purchase of No. 6 Queen's Park	642 08		
		656,717 28	
Valuation attached to land formerly leased to Malone (surrendered) transferred to Site Lands	12,000 00		
Property No. 69 St. George Street, transferred to use as Political Science building No. 2	20,000 00		
Decrease in rentals outstanding	862 50		
		32,862 50	
Return of 30 June, 1922			623,854 78

SCHEDULE 10.

Investments, Cash and Accounts Receivable.

Debentures and Municipal Bonds	184,684 40	
Interest accrued	2,587 95	
		187,272 35
Loans secured by mortgages on real property	9,155 09	
Interest accrued	64 16	
		9,219 25
Unpaid purchase money upon land sales	19,150 00	
Interest accrued	291 42	
		19,441 42
Canadian War Loan and Province of Ontario Bonds	299,849 84	
Interest accrued	1,823 54	
		301,673 38
Home Bank of Canada shares		800 00
Dominion Power and Transmission Co., shares		2,000 00
Royal Ontario Museum investment		251,002 80

Investments, Cash and Accounts Receivable.—Continued.

Advances to Royal Ontario Museum:		
For share of salaries and expenses for the year 1921-22, payable by the Provincial Government	$35,000 04	
Less Museum Special Account at credit	15,589 56	
		$19,410 48
Balance unpaid on 30 June, of special legislative grant of $880,000		480,000 00
Accounts Receivable:		
University Press	12,165 19	
Department of Photography	149 26	
Miscellaneous labour and material	3,396 34	
		15,710 79
Central Power Plant:		
Victoria College Account	14,396 74	
Wycliffe College Account	6,639 21	
Knox College Account	8,276 62	
		29,312 57
Canadian Bank of Commerce, on deposit		215,610 06
		1,531,453 10

Transactions, 1921-22

Inwards.

Debentures redeemed	12,464 76	
Mortgage loans repaid	673 99	
Purchase money collections	5,000 00	
Withdrawals from Canadian Bank of Commerce	2,700,489 10	
Decrease in accrued revenue	326 55	
		2,718,954 40

Outwards.

War Loan Investments	4,000 00	
Deposits in Canadian Bank of Commerce	3,021,936 23	
Increase in accounts outstanding	29,484 21	
		3,055,420 44
		336,466 04
Return of 30 June, 1921		1,194,987 06
Return of 30 June, 1922		1,531,453 10

Appendix II.

Fees, 1921-22.

Balance brought forward from 1920-21		$955 00
Total of fees collected, 1921-22		461,034 55
		461,989 55
Distribution thereof:		
Sundry refunds during year		5,228 60
Paid to Hart House, share of fees		23,568 00
Paid to Medical Society		2,026 00
Paid to University College Literary and Athletic Association		1,212 00
Paid to Men's Students' Administrative Council, Council fees		8,802 00
Paid to Women's Students' Administrative Council, Council fees		3,270 00
Paid to Hospitals, fees payable from Students in Medicine:—		
Toronto General	$7,860 00	
St. Michael's	1,470 00	
Sick Children's	2,055 00	
Western	1,145 00	
		12,530 00
Transferred to Caput Fines		1,242 80
Transferred to Microscopes Account		2,315 00
Transferred to Ontario College of Education		31,442 00
Transferred to Organ Fund		1,238 25
Transferred to Public Health Nursing		2,495 00
Transferred to University College Women's Union		2,137 00
Fees paid in advance for 1922-23		1,021 00
Balance to Revenue Account (Schedule 6*a*)		363,461 90
		461,989 55

Details of Fees Received

Faculties	Arts	Medicine	App. Science	Education	Forestry	Music	Total
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Lecture Fees:							
General	49,159 50	130,558 00	75,780 00		2,063 00	58 00	257,618 50
Special Courses:							
Summer, 1921-22, Med. $2,180; Educ., $630, of which $20 and $30 respectively paid in 1920-21		2,160 00		600 00			2,760 00
Summer, in advance for 1922-23		120 00					120 00
Pædiatrics, in advance for 1922-23		50 00					50 00
Post Graduate (August)		460 00					460 00
Post Graduate (January)		280 00					280 00
Post Graduate (May)		170 00					170 00
Post Graduate (Radiology)		100 00					100 00
Review		90 00					90 00
Sundry Instruction	1,368 00						1,368 00
Teachers in Training				3,686 00			3,686 00
University Schools				26,745 00			26,745 00
Dispensations	105 00						105 00
Dispensations (University College)	85 00						85 00
Registration				228 00		120 00	348 00
Honor Certificates	130 00	16 00	3 00			28 25	177 25
Matriculation	1,328 00		25 00			20 00	1,373 00
Ad Eundem	120 00	150 00	170 00		10 00		450 00
Examinations	29,026 00	12,240 00	10,325 00	466 00	720 00	1,470 00	54,247 00
Degrees	3,451 00	3,130 00	1,680 00	200 00	100 00		8,561 00
Laboratory Supplies	2,680 00	5,694 00			416 00		8,790 00
Library	4,031 00	1,990 00	1,600 00		104 00		7,725 00
Gymnasium, Women's	1,360 00						1,360 00
Women's Union	2,105 00	32 00					2,137 00
Penalties (Univ. Coll.)	1,225 00						1,225 00
Penalties (University)	367 00	823 00	322 00		38 00	29 00	1,579 00
Hart House and Men's Students' Council	12,396 00	10,450 00	8,888 00	390 00	627 00		32,751 00
Women's Students' Council	2,860 00	219 00	3 00	188 00			3,270 00
Literary and Athletic Association	1,248 00						1,248 00
Medical Society		2,026 00					2,026 00
Microscopes		2,315 00					2,315 00
Caput Fines		522 00	720 80				1,242 80
	$113,044 50	$173,595 00	$99,516 80	$32,503 00	$4,078 00	$1,725 25	$424,462 55

Details of Fees Received.—Continued

Department	University Extension	Social Service	Public Health Nursing	Post Graduate Studies	Law	Dentistry	Pharmacy	Veterinary Science	Agri-culture	Total
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Lecture Fees		3,955 00	2,495 00	1,415 00				3,200 00		11,065 00
Summer Session:										
Lecture fees ($1,347 of which $903 was paid in 1920-21)	444 00									444 00
Lecture fees (in advance for 1922-1923)	851 00									851 00
Correspondence Courses	1,363 00									1,363 00
Teachers' Courses	3,539 00									3,539 00
Special Tutorial Courses:										
English	655 00									655 00
Economics	680 00									680 00
Zoology	75 00									75 00
Italian for Vocalists	120 00									120 00
History, French, Italian, etc	155 00									155 00
Special Short Courses:										
Winter Course	439 00									439 00
Town Planning	107 00									107 00
Journalism ($254 of which $2 paid in 1920-21)	252 00									252 00
Household Science	745 00									745 00
Registration				720 00						720 00
Certificates						5 00				5 00
Matriculation					120 00	810 00	470 00			1,400 00
Ad Eundem						45 00				45 00
Examinations			30 00	855 00	355 00	4,930 00	1,148 00	150 00	1,170 00	8,638 00
Degrees				840 00	190 00	1,800 00	940 00	245 00	1,140 00	5,155 00
Library			4 00							4 00
Gymnasium, Women's		16 00	24 00	8 00						48 00
Penalties	13 00	1 00	9 00							23 00
Hart House and Men's Students' Council				44 00						44 00
	$9,438 00	$3,972 00	$2,562 00	$3,882 00	$ 665 00	$7,590 00	$2,558 00	$3,595 00	$2,310 00	$36,572 00

Classification of Services.

Lecture Fees, etc:	Gross Receipts	Refunds and other Deductions	Net Amount
Arts	50,527 50	$478 00	$50,049 50
Medicine	133,988 00	13,556 00	120,432 00
Applied Science	75,780 00	549 00	75,231 00
Education, Teachers in Training	4,514 00	483 00	4,031 00
Education, University Schools	26,745 00	......	26,745 00
Forestry	2,063 00	......	2,063 00
Music	178 00	......	178 00
University Extension	9,425 00	723 50	8,701 50
Social Service	3,955 00	65 00	3,890 00
Public Health Nursing	2,495 00	......	2,495 00
Post Graduate	2,135 00	50 00	2,085 00
Veterinary Science	3,200 00	......	3,200 00
Dispensations	190 00	10 00	180 00
Honour Certificates	182 25	......	182 25
Matriculation	2,773 00	28 60	2,744 40
Ad Eundem	495 00	......	495 00
Examinations	62,885 00	715 00	62,170 00
Degrees	13,716 00	160 00	13,556 00
Laboratory Supplies	8,790 00	43 00	8,747 00
Library	7,729 00	72 00	7,657 00
Gymnasium, Women's	1,408 00	34 00	1,374 00
Women's Union	2,137 00	......	2,137 00
Penalties	2,827 00	330 50	2,496 50
Hart House and Men's Students' Council	32,795 00	425 00	32,370 00
Women's Students' Council	3,270 00	......	3,270 00
Literary and Athletic Association	1,248 00	36 00	1,212 00
Medical Society	2,026 00	......	2,026 00
Microscopes	2,315 00	......	2,315 00
Caput Fines	1,242 80	......	1,242 80
	461,034 55	17,758 60	443,275 95

Recapitulation.

University Fees proper	410.565 05	16,985 10	393.579 95
University College Fees proper	50.469 50	773 50	49.696 00
Balance brought forward from 1920-21	955 00	......	955 00
	$461.989 55	17.758 60	444.230 95

Appendix III.

Revenue Expenditures, 1921-22.

I. Administration:	Appropriation	Supplementary	Unused	Total
1. Salaries	$130,400 00	......	$1,062 83	$129,337 17
2. Pensions & Retiring Allowances	7,000 00	......	1,438 81	5,561 19
3. President's Office	500 00	$46 46	......	546 46
4. Bursar's Office	4,000 00	......	305 89	3,694 11
5. Registrar's Office	7,400 00	691 06	......	8,091 06
6. Superintendent's Office	4,500 00	574 06	......	5,074 06
7. Library	34,275 00	7,272 90	945 14	40,602 76
8. Gymnasium, Students' Union and Athletics (Hart House)	15,325 00	......	1,618 12	13,706 88
9. Military Studies Building and Department	3,560 00	......	1,521 11	2,038 89
10. Convocation Hall	4,850 00	......	1,243 29	3,606 71
11. Grounds	21,500 00	2,186 39	......	23,686 39
12. Protective Service	7,650 00	......	944 06	6,705 94
13. Examinations	19,500 00	2,968 07	......	22,468 07
14. Convocation Expenses	2,500 00	......	213 79	2,286 21
15. Receptions to Societies and University visitors	3,000 00	......	971 48	2,028 52
16. Telephones	6,000 00	......	1,242 38	4,757 62
17. Insurance	13,000 00	......	383 89	12,616 11
18. Advertising Expenses	......	......	......	......
19. Aid to Publications and Societies	5,450 00	......	760 28	4,689 72
20. University Studies	2,000 00	......	......	2,000 00
21. Law Costs	1,250 00	118 16	......	1,368 16
22. Travelling Expenses	2,750 00	......	414 47	2,335 53
23. Senate Elections	......	......	......	......
24. Roll of Service	......	......	......	......
25. Alumni Association	2,000 00	1,000 00	......	3,000 00
	298,410 00	14,857 10	13,065 54	300,201 56
II. Faculty of Arts:				
26. Salaries	481,050 00	......	14,976 42	466,073 58
27. Main Building	16,850 00	......	1,425 86	15,424 14
28. Biological Building and Department	12,675 00	275 01	778 57	12,171 44
29. Sub-Department of Botany	8,100 00	380 60	......	8,480 60
30. Chemical Building and Department	17,075 00	......	797 64	16,277 36
31. Physics Bulding and Department	18,000 00	1,470 08	753 04	18,717 04
32. Sub-Department of Astronomy	850 00	13 54	......	863 54
33. Geological Department	1,000 00	266 60	......	1,266 60
34. Mineralogical Department	1,500 00	7 04	......	1,507 04
35. Philosophical and Psychological Department	1,750 00	02	35 00	1,715 02
36. Mathematical Department	150 00	......	108 02	41 98
37. Sub-Department of Mechanics	300 00	......	80 12	219 88
38. Political Science Building and Department	9,510 00	......	1,775 21	7,734 79
39. History	775 00	......	98 99	676 01
40. Italian and Spanish	35 00	......	1 00	34 00
41. University College Departments	595 00	......	262 27	332 73
42. University College General Expenses	550 00	......	292 35	257 65
43. Trinity College Service	850 00	540 73	......	1,390 73
	571,615 00	2,953 62	21,384 49	553,184 13

Revenue Expenditures, 1921-1922.—Continued.

III. Faculty of Medicine:	Appropriation	Supplementary	Unused	Total
44. Salaries	$168,176 00	......	$6,033 95	$162,142 05
45. Anatomy	3,700 00	......	293 34	3,406 66
46. Pathology and Bacteriology	5,000 00	$1,376 05	......	6,376 05
47. Pathological Chemistry	2,140 00	488 66	......	2,628 66
48. Bio-Chemistry	4,250 00	1 87	......	4,251 87
49. Physiology	3,500 00	......	308 96	3,191 04
50. Pharmacy and Pharmacology	1,970 00	......	51 76	1,918 24
51. Medicine	2,170 00	......	307 25	1,862 75
52. Obstetrics and Gynæcology	300 00	......	116 03	183 97
53. Ophthalmology	250 00	......	231 50	18 50
54. Oto-Laryngology	300.00	......	171 64	128 36
55. Therapeutics	100 00	......	4 29	95 71
56. Hygiene	1,300 00	......	64 79	1,235 21
57. Medical Jurisprudence	......	......	......	......
58. Medical Building	9,150 00	......	922 64	8,227 36
59. Pathological Building	12,550 00	......	2,239 52	10,310 48
60. General Expenses	3,000 00	243 49	......	3,243 49
61. Summer Session and Post-Graduate Courses	2,500 00	47 80	......	2,547 80
	220,356 00	2,157 87	10,745 67	211,768 20
IV. Faculty of Applied Science:				
62. Salaries	216,840 00	......	2,652 09	214,187 91
63. Mining Building	10,900 00	......	905 30	9,994 70
64. Engineering Building (formerly Architectural Building, including old Y.M.C.A. Building)	7,480 00	......	697 39	6,782 61
65. Electrical Building (including Mechanical Building	12,800 00	......	4,560 69	8,239 31
66. Geodetic Observatory Building	580 00	......	222 87	357 13
67. Electrical Engineering	7,500 00	......	56 05	7,443 95
68. Mechanical Engineering	7,400 00	......	1,850 46	5,549 54
69. Applied Mechanics and Civil Engineering	4,700 00	......	51 86	4,648 14
70. Mining Engineering	2,465 00	......	44 93	2,420 07
71. Metallurgical Engineering	5,750 00	106 20	......	5,856 20
72. Surveying	6,150 00	......	69 20	6,080 80
73. Chemical Engineering	9,700 00	8 03	......	9,708 03
74. Electro-Chemistry	......	......	......	......
75. Architecture and Drawing	2,210 00	......	525 41	1,684 59
76. Engineering, Physics and Photography	3,500 00	15 86	1,021 55	2,494 31
77. General Expenses	4,200 00	......	362 35	3,837 65
	302,175 00	130 09	13,020 15	289,284 94
V. Faculty of Household Science:				
78. Salaries	13,590 00	......	......	13,590 00
79. Household Science Building and Department	10,150 00	......	1,409 77	8,740 23
	23,740 00	......	1,409 77	22,330 23
VI. Faculty of Forestry:				
80. Salaries	17,200 00	......	3,500 00	13,700 00
81. Forestry building and Department	8,950 00	236 71	782 97	8,403 74
	26,150 00	236 71	4,282 97	22,103 74
VII. 82. Faculty of Music	2,000 00	......	351 85	1,648 15

Revenue Expenditures, 1921-1922.—Continued.

	Appropriation	Supplementary	Unused	Total
VIII. Social Service:				
83. Salaries	$10,350 00	......	$50 00	$10,300 00
84. Social Service Building and Department	3,575 00	$65 86	418 35	3,222 51
	13,925 00	65 86	468 35	13,522 51
IX. University Extension and Publicity:				
85. Salaries	6,800 00	358 33	......	7,158 33
86. Extension and Publicity Departments	22,200 00	......	3,273 32	18,926 68
	29,000 00	358 33	3,273 32	26,085 01
X. Residences:				
87. Men's Residences	13,500 00	......	2,563 92	10,936 08
88. Women's Residences	43,125 00	......	6,725 90	36,399 10
89. University College Women's Union	25,342 00	......	3,102 60	22,239 40
	81,967 00	......	12,392 42	69,574 58
XI. 90. Royal Ontario Museum ...	35,000 00	03	......	35,000 03
XII. 91. Central Light, Heat and Power Plant	119,200 00	......	22,898 84	96,301 16
XIII. 92. Contingencies and Miscellaneous	12,500 00	4,435 99	......	16,935 99
XIV. 93. Capital Account Charges .	83,688 00	......	9,095 42	74,592 58
XV. 94. Special Courses for Returned Soldiers	......	......	......	......
XVI. 95. Special Research	75,000 00	......	1,987 59	73,012 41

Recapitulation.

I. Administration	298,410 00	14,857 10	13,065 54	300,201 56
II. Faculty of Arts, University and University College	571,615 00	2,953 62	21,384 49	553,184 13
III. Faculty of Medicine	220,356 00	2,157 87	10,745 67	211,768 20
IV. Faculty of Applied Science	302,175 00	130 09	13,020 15	289,284 94
V. Faculty of Household Science .	23,740 00	......	1,409 77	22,330 23
VI. Faculty of Forestry	26,150 00	236 71	4,282 97	22,103 74
VII. Faculty of Music	2,000 00	......	351 85	1,648 15
VIII. Social Service	13,925 00	65 86	468 35	13,522 51
IX. University Extension and Publicity	29,000 00	358 33	3,273 32	26,085 01
X. Residences	81,967 00	......	12,392 42	69,574 58
XI. Royal Ontario Museum	35,000 00	03	......	35,000 03
XII. Central Power Plant	119,200 00	......	22,898 84	96,301 16
XIII. Contingencies and Miscellaneous	12,500 00	4,435 99	......	16,935 99
XIV. Capital Account Charges	83,688 00	......	9,095 42	74,592 58

Recapitulation.—Continued.

	Appropriations	Supplementary	Unused	Total
XV. Special Courses for Returned Soldiers	......	......	......	......
XVI. Special Research	$75,000 00	......	$1,987 59	$73,012 41
	1,894,726 00	25,195 60	114,376 38 25,195 60	1,805,545 22
			89,180 78	
	89,180 78			
Total expenditure under appropriations	1,805,545 22			

I. ADMINISTRATION.

1. Salaries.

President's Office.

Sir Robert Falconer, K.C.M.G., President, 12 mos. to 30 June (with free house, heat and light)	$10,000 00	
Miss A. W. Patterson, President's Secretary, 12 mos. to 30 June (paid also $200 as Secretary, Faculty of Music)	2,000 00	
		$12,000 00

Bursar's Office.

F. A. Mouré, Bursar, 12 mos. to 30 June (paid also $250 in Faculty of Music)	5,250 00	
Accounts Branch:		
C. E. Higginbottom, Accountant, 12 mos. to 30 June	2,500 00	
J. P. Jones, Appropriations Ledger Clerk, 10 mos. to 30 April, at $1,600 per annum (resigned)	1,333 33	
Miss M. Smyth, Voucher Clerk, etc., 12 mos. to 30 June	1,300 00	
Miss J. H. Branton, Clerk, 12 mos. to 30 June	1,100 00	
Miss E. Long, Typist, etc., 12 mos. to 30 June	950 00	
Fees Branch:		
H. J. Bolitho, Fees Clerk, 12 mos. to 30 June	2,250 00	
Record Clerks, each 12 mos, to 30 June:		
Miss E. B. Goodwin	1,450 00	
Miss E. Grew	950 00	
Secretarial Branch:		
Miss A. M. Gall, Chief Clerk, 12 mos. to 30 June	1,800 00	
Miss M. Pyper, Assistant, 12 mos. to 30 June	1,050 00	
Miss M. Burns, Stenographer, 12 mos. to 30 June	1,100 00	
		21,033 33

Registrar's Office.

James Brebner, Registrar, 12 mos. to 30 June	5,000 00	
A. B. Fennell, Assistant Registrar, 12 mos. to 30 June	3,100 00	
Assistants, each 12 mos. to 30 June:		
A. T. Laidlaw	2,750 00	
H. J. Strong	1,500 00	
Miss E. Hargreaves, Desk Assistant, 12 mos. to 30 June	1,400 00	
Miss N. Mackenzie, Minute Clerk (including services as secretary to Graduate Board) 12 mos. to 30 June	1,500 00	
Clerks, each 12 mos. to 30 June:		
Miss M. McMillan	1,375 00	
Miss A. S. Meen	1,375 00	
Stenographers, each 12 mos. to 30 June:		
Miss E. M. Sharpe	1,250 00	
Miss J. R. White	1,250 00	
Miss E. M. Fasken	900 00	
Register Clerks, each 12 mos. to 30 June:		
Miss A. MacGillivray	1,400 00	
Miss E. Keys	1,200 00	
Miss F. Hahn	1,000 00	

Registrar's Office.—Continued.

Miss A. Dunnett, Fyling Clerk, 11 mos. to 31 May, at $900 per annum (resigned)	$825 00	
		$25,825 00

Superintendent's Office.

A. D. LePan, Superintendent of Buildings and Grounds, 12 mos. to 30 June	4,800 00	
W. H. Bonus, Assistant Superintendent, 12 mos. to 30 June	3,000 00	
W. L. D. Carnie, Chief Clerk, 12 mos. to 30 June	1,700 00	
Miss J. Bell, Clerk, 12 mos. to 30 June	1,200 00	
Miss M. Edgar, Stenographer, 12 mos. to 30 June	1,200 00	
		11,900 00

Library.

H. H. Langton, Librarian, 12 mos. to 30 June (paid also $200 as Editor, *University Studies*)	5,000 00	
W. S. Wallace, Assistant Librarian (part-time) 12 mos. to 30 June (paid also $1,000 in History)	2,500 00	
Heads of Departments, each 12 mos. to 30 June:		
Miss G. Buchan, $1,900; honorarium for long service upon resignation, $950, charged to Pensions, Retiring Allowances, etc	1,900 00	
Miss H. Young	1,900 00	
Miss L. M. Mason	1,700 00	
Miss M. L. Newton	1,500 00	
First Class Assistants, each 12 mos. to 30 June:		
Miss H. Fairbairn	1,475 00	
Miss E. V. Bethune	1,475 00	
Miss E. Creighton	1,475 00	
Miss H. G. B. Woolryche	1,475 00	
Mrs. A. C. Jones	1,475 00	
Miss E. Aldridge	1,300 00	
Miss A. E. Stennett	1,300 00	
Second Class Assistants, each 12 mos. to 30 June:		
Miss I. Edwards	1,050 00	
Miss A. M. Cordingley	1,000 00	
Miss H. C. Wrightman	1,000 00	
Miss M. MacFayden	1,000 00	
Miss C. B. MacFayden	1,000 00	
Assistants @ $950 per annum:		
Miss M. Brebner, 1 September to 30 June	791 67	
Miss E. Fraser, 15 September to 28 February (resigned)	435 44	
Miss E. Alexander 15 to 28 February, $19.80; 1 March to 30 June, $316,66 (paid also in English)	336 46	
Miss L. Mason, 1 July to 31 August	158 33	
Miss M. Munzing, 1 July to 31 August	158 33	
Miss K. Cordingley, 2 weeks	36 50	
Assistants @ $80.00 per month:		
Miss H. Des Brisay, 10 October to 30 June	697 64	
Miss E. Cook, 20 February to 30 June	351 47	
S. H. Fussell, Attendant (with rooms, heat and light valued at $420 as caretaker of building) 12 mos. to 30 June	1,200 00	
		33,690 84

Gymnasium.

J. W. Barton, Physical Director, 12 mos. to 30 June	3,600 00	
T. A. Reed, Financial Secretary, 12 mos. to 30 June (charged to receipts from Athletic Field)	3,600 00	
D. M. Barton, Gymnasium Instructor, 10 months' salary	2,450 00	
W. W. Winterburn, Swimming Instructor, 10 months' salary	2,000 00	
A. Williams, Instructor (reduced service) and part time Instructor, Fencing, obit., 23 January, 1922—balance of remuneration to 30 June, paid to daughter	805 00	
Part-time Instructors (Sessional):		
G. H. Dinwiddie, $900 plus extra services $28	928 00	
F. Halbus, Track (paid also in Ontario College of Education)	300 00	
A. Durnan, Wrestling	285 00	

Gymnasium.—Continued.

Supervisors, Upper Gymnasium, @ $15 per week:		
G. F. Leigh, 10 weeks	$150 00	
H. A. MacLennan, 13 weeks	195 00	
Locker Attendants:		
W. Rimmer, 12 mos. to 30 June	1,500 00	
G. Hare, 12 mos. to 30 June	1,500 00	
B. Durnan, 8 months	800 00	
R. Fraser, 7 months	700 00	
J. S. R. Donaldson, Clerk, 6 months (part time)	300 00	
		$19,113 00

Graduate Studies.

J. P. McMurrich, Honorarium as Chairman (paid also as Professor of Anatomy)	300 00	
		300 00

Military Studies.

W. R. Lang, Director, 12 mos. to 30 June	5,700 00	
Brig.-Gen. G. S. Cartwright, Special Lecturer, (Sessional—without salary)	......	
		5,700 00

General Service.

S. J. Apted, services as Bedel, 12 mos. to 30 June (paid also $825 as caretaker of Convocation Hall, and $300 for supervising Engineering Building)	125 00	
A. Bain, Attendant and Messenger, President's Office, 12 mos. to 30 June	1,150 00	
J. Christie, Chief Officer of Discipline, 12 mos. to 30 June, $2,000; allowance credited to Pension Fund for year, $100	2,100 00	
		3,375 00
		132,937 17
Less charged to Athletic Field receipts		3,600 00
		129,337 17

2. Pensions and Retiring Allowances.

Mrs. Julia Loudon, Ex-President's widow (obit. 14 June, 1922)	2,500 00	
Retiring allowance to Emeritus Professors:		
Professor A. McPhedran	500 00	
Professor I. H. Cameron	500 00	
Miss G. Buchan, honorarium granted for long service upon resignation as first assistant in the Library	950 00	
Teachers' Insurance and Annuity Association, University's contribution for year ending 30 June, 1922, to fund for retiring allowances	1,111 19	
		5,561 19

3. President's Office.

Office supplies, postage, printing and incidentals ($546.46):		
President Sir Robert Falconer, sundry disbursements	65 71	
Empire Parliamentary Association, subscription	9 14	
Methodist Book and Publishing House, printing report	218 36	
Office Specialty Mfg. Co., chair, etc.	20 10	
University Press, printing and stationery	233 15	
		546 46

4. Bursar's Office.

Office supplies, postage, printing and incidentals ($2,430.11):		
D. A. Balfour Co. Ltd., typewriter ribbons	9 20	
Burroughs Adding Machine Co., inspection	11 65	
The Bursar, petty disbursements, $92.26; postage, $347.00	439 26	
Canadian Office Appliance & Supply Co., line-a-time model	22 00	

4. BURSAR'S OFFICE.—*Continued.*

Elliott-Fisher Ltd., inspection and repairs	$24 10	
Grand & Toy, cheque books, $134.00; stamps on same, $240 08	374 08	
C. E. Higginbottom, allowance for use of motor car	25 00	
W. E. Irons, rubber stamps	5 31	
Lake Simcoe Ice Supply Co., ice	3 90	
Might Directories, city directory	15 00	
Mitchell & McGill, steel sections and truck	204 00	
Office Specialty Mfg. Co., transfer cases, etc	65 71	
Students' Book Dept., almanac	4 60	
United Typewriter Co., typewriter and repairs	159 70	
University Press, printing and stationery	1,062 87	
Petty items (3)	3 73	
Clerical assistance ($64.00):		
Jack McLaren, 8 weeks	64 00	
Auditor's remuneration ($1,200.00):		
Clarkson, Gordon & Dilworth, for year ending 30 June	1,200 00	
		$3,694 11

5. REGISTRAR'S OFFICE.

Office supplies and stationery ($1,049.74):		
D. A. Balfour Co., carbon paper and ribbons	102 77	
P. E. Hyde, subscriptions to newspapers	20 00	
Lake Simcoe Ice Supply Co., ice	3 30	
McNeill Sales Ltd., overhauling mimeograph	21 50	
Might Directories, city directory	15 00	
Office Specialty Mfg. Co., sections, guides, chairs, etc	312 40	
Students' Book Dept., almanac	3 00	
United Typewriter Co., repairs and inspection	37 05	
University Press, printing and stationery	484 65	
Superintendent's Dept., labour, $18.40; material, $31.67	50 07	
Postage ($1,465.21):		
The Bursar, postage supplied	1,465 21	
Clerical assistance ($54.00):		
Miss F. Hargreaves, 3 weeks	54 00	
Printing, other than Calendar ($524.25):		
University Press	524 25	
Printing Calendar and Curricula ($3,795.50):		
University Press	3,795 50	
Card filing equipment ($1,007.46):		
T. Eaton Co., tables	39 00	
Office Specialty Mfg. Co., cabinet sections and guides	968 46	
Board of Graduate Studies ($194.90):		
United Typewriter Co., typewriter and desk	185 65	
University Press, printing	9 25	
		8,091 06

6. SUPERINTENDENT'S OFFICE.

Office supplies, postage, printing and incidentals ($1,495.30):	
American Society of Mechanical Engineers, engineering index	9 12
The Bursar, postage supplied	163 50
Canada Stamp and Stencil Co., rubber stamps	10 10
College Press, time cards	11 18
T. Eaton Co., lettering	14 25
McMullen Publishers Ltd., subscriptions	25 00
C. W. Mack, rubber stamp and repairs	6 20
Mitchell & McGill, desks, etc	127 80
Office Specialty Mfg. Co., chairs, etc.	67 26
Pelican Carbon Co., carbon paper	30 00
Photography, Dept. of, blue prints	3 35
"Power," subscription	3 16
Provincial Treasurer, Ontario, license for motor car	13 00
Students' Book Dept., books	10 75

6. SUPERINTENDENT'S OFFICE.—*Continued.*

The Superintendent, petty disbursements	$6 23	
United Typewriter Co., typewriter, $112.70; inspection, etc. $44.27	156 97	
University Press, printing and stationery	833 85	
Petty items (2)	3 48	
Incidental expenses *re* work on buildings ($1,071.97):		
H. A. Tuttle, drafting (6½ days);	39 00	
Sundry labour	1,032 97	
Clerical assistance ($2,531.09):		
Miss E. Cullen, 2 days	10 00	
Miss B. O'Donoghue, 9½ days at $3	28 50	
Miss A. Osborne, 38 weeks less 1 day at $15.00, $567,86; 14 weeks and 2 days at $16.00, $229.33	797 19	
Miss Ruth Phayre, 50 weeks less 2 days at $17.00	845 96	
Miss A. Wynn, 40 weeks less 1 day at $16.00, $605.77; 14 weeks and 2 days at $17.00, $243.67	849 44	
	5,098 36	
Less sundry credits	24 30	
		$5,074 06

7. LIBRARY.

(*a*) Maintenance of Building:		
Heat and light (supplied from Central Power Plant)		
Gas ($46.10):		
Consumers' Gas Co.	46 10	
Water ($129.32):		
City Treasurer	129 32	
Caretaker's supplies ($143.86):		
Superintendent's Dept., labour, $7.55; material, $136.31	143 86	
Cleaning ($1,264 40):		
Veteran Window Cleaners	44 00	
Superintendent's Dept., labour	1,220 40	
Repairs and renewals ($1,756.01):		
City Treasurer, elevator license	5 00	
Johnson Temperature Regulating Co., repairs	8 75	
Patterson & Heward, brass sign	22 00	
Routery Bros., repairs to walls	11 80	
Superintendent's Dept., labour, $1,258.55; material, $449.91	1,708 46	
Fitting up rooms in basement ($2,991.17):		
Superintendent's Dept., labour, $1,485.18; material, $1,505.99	2,991 17	
	6,330 86	
Less credit for cleaning	1 00	
		6,329 86
(*b*) General Library Appropriation:		
Books and periodicals, binding and office supplies ($34,932.76):		
Academy of Political Science	5 38	
E. G. Allen & Sons, Ltd.	8,295 08	
American Academy of Political & Social Service	5 23	
American Academy in Rome	11 32	
American Anthropological Association	6 45	
American Architect	7 10	
American Association for the Advancement of Science	6 02	
American Association of Economic Entomologists	7 76	
American Association for Labour Legislation	5 12	
American Association of Petroleum Geologists	32 05	
American Book Co.	13 55	
American Ceramic Society	8 39	
American Chemical Society	16 10	
"The American City"	99 44	
American Concrete Institute	8 13	
American Economic Association	5 08	

7. Library.—*Continued.*

American Fisheries Society	$42 16
American Institute of Electrical Engineers	6 03
American Institute of Mining and Metallurgical Engineers	12 43
American Journal of Hygiene	6 61
American Journal of Physical Anthropology	5 51
American Journal of Physiology	34 07
American Journal of Psychology	7 87
American Journal of Science	6 61
American Library Association	5 29
American Machinist	6 87
American Medical Association	31 59
American Phytopathological Society	11 50
American Railway Engineering Association	25 21
American Society of Civil Engineers	17 25
American Society of Mammalogists	12 28
American Society of Mechanical Engineers	48 94
American Society for Testing Materials	17 96
American Statistical Association	5 13
American Waterworks Association	7 12
Prof. R. W. Angus	8 00
Annals of Medical History	8 12
Annals of Surgery	8 12
Archæological Institute of America	5 64
Archæological Society	5 82
J. B. Olivier Archambault	22 00
Architectural Forum	7 25
L'Archivum Romanicum	10 49
Association of Official Agricultural Chemists	15 35
Association for the Study of Internal Secretions	6 14
Astronomical Journal	5 62
Automotive Industries	5 39
A. Badger	5 67
Joseph Baer & Co.	28 28
Bankers' Publishing Co.	12 01
Beer & Co.	57 02
Bernice Panahi Bishop Museum	9 06
Albert Bonnier Publishing House	83 97
Botanical Abstracts	10 54
R. R. Bowker Co.	12 04
A. Britnell	107 50
F. A. Brockhaus	1,580 18
John Carter Brown Library	16 01
Cadmus Book Shop	105 51
Cambridge University Press	45 15
Canadian Review Co.	7 32
Carnegie Institute of Washington	21 87
Carswell Co. Ltd.	6 00
C. D. Cazenove & Son	190 37
J. Chambeau	47 83
E. Champion	56 53
Chemical and Metallurgical Engineering	14 77
Chemical, Metallurgical and Mining Society of South Africa	9 59
Cedric Chivers, Ltd.	146 93
Sylva Clapin	5 50
A. H. Clark Co., Ltd.	286 38
John Clark Co.	127 36
T. & T. Clark	12 50
Classical Association	9 03
Columbia Law Review	9 88
Commercial and Financial Chronicle	12 04
Concrete Institute	8 62
Coutts & Co.	13 59
Cumin & Masson	45 42
G. H. Doran Co.	5 50
G. Ducharme	49 86
E. Eberstadt	16 37
Economic Geology Publishing Co.	8 86

7. LIBRARY.—*Continued.*

Egypt Exploration Society	$6 06
Engineering and Contracting	6 46
Engineering and Mining Journal	6 88
Engineering News Record	7 40
F. W. Faxon Co.	78 21
H. G. Fiedler	160 87
Gustav Fock	32 32
J. Gamber	64 49
Gauthier-Villars	54 74
Gaylord Bros.	14 08
Georg & Cie	17 37
W. J. Gerhard	5 26
Paul Geuthner	7 55
Glasgow, Brook & Co.	34 50
W. A. Gough	19 98
Otto Harrassowitz	140 51
J. F. Hartz Co.	16 00
Harvard University Press	21 87
W. Heffer & Sons	5 52
H. M. Stationery Office	12 51
Ulrico Hoepli	384 59
Rexford L. Holmes	10 38
John Howell	10 74
Industrial Australian & Mining Standard	7 81
Industrial Educational Publishing Co.	9 25
Industrial Management	7 36
Ingenieria Internacional	5 29
International Press Clipping Service	34 80
International Studio	6 97
Iron Age	9 14
Iron Trade Review	9 14
F. C. A. Jeanneret	68 90
Johns Hopkins Press	31 89
Finnur Johnson	6 00
Journal of Biological Chemistry	12 28
Journal of Industrial Hygiene	12 85
Journal of Nervous and Mental Disease	21 48
Journal of Philosophy	8 44
Journal of Physical Chemistry	9 64
Journal of the Royal Statistical Society	7 02
John Lane Co.	7 48
Otto Lange	554 62
Mrs. Laura Langton	20 00
Lemcke & Buechner	5 42
W. Leslie	48 00
Librairie Beauchemin	25 63
Librairie Scientifique Kundig	43 20
Library Association	9 08
Library of Congress	117 76
Libreria Internazionale	48 96
Libreria de Ocasion	15 38
Longmans, Green & Co.	5 61
Lowe-Martin Co.	18 54
Macmillan Co. of Canada	673 74
Mathematical Association of America	5 29
McAinsh & Co.	6 25
J. McCullough	210 00
McGraw, Hill Co.	29 37
McLean Publishing Co.	7 00
Hugh C. McLean, Publications	8 00
R. C. McMahon	115 20
Marine Biological Laboratory	6 29
Mining & Scientific Press	5 38
C. V. Mosby, Medical Book Publishing Co.	6 76
National Academy of Sciences	15 31
National Historic Society	5 13
National Municipal League	5 55
National Tax Association	5 08
Nervous and Mental Disease Publishing Co.	7 10

7. Library.—*Continued.*

The New Republic	$5 75
New Zealand Institute	18 81
N. V. Martinus Nijhoff	448 79
Noah Farnham Morrison	104 47
Leo S. Olschki	84 32
Open Court Publishing Co	7 01
Optical Society of America	17 16
"Orientalia"	99 74
Oxford University Press	321 03
The Pedagogical Seminary	5 08
Phillipine Journal of Science	5 62
Physiological Review	6 46
Princeton University Press	11 90
W. F. Prior Co	32 86
Psychological Review Co.	26 03
G. P. Putman's Sons	6 28
The Railway Age	6 45
Harold Reeves	139 55
Renouf Publishing Co.	11 05
S. M. Rhoads	33 59
C. Richardson	67 80
Garcia Rico	62 85
Roberts & Son	7 50
Rockefeller Institute for Medical Research	11 05
Ronald Press Co.	9 84
Russell Sage Foundation	12 15
School Science of Mathematics	5 96
Schulte's Book Store	6 10
The Science Press	16 46
Leonard Scott Publication Co.	30 50
Chas. Scribner's Sons	6 34
Selbstverlage des deutschen Apotheker-Vereins	7 32
Society of American Foresters	8 98
Society of Automotive Engineers	6 35
Society of Chemical Industry	11 32
Society for the Promotion of Hellenic Studies	14 06
Society for the Promotion of Roman Studies	13 25
Henry Sotheran & Co.	31 91
South African Mining Journal Syndicate	8 94
G. E. Stechert Co.	48 34
Students' Book Dept.	2,428 35
Victoriano Suarez	392 23
Surgery, Gynaecology and Obstetrics	12 89
"The Survey"	5 91
J. Terquem	3,426 85
Thoms & Eron	8 20
Torrey Botanical Club	183 58
University of Chicago Press	54 92
G. Van Oest	5 01
F. Walters	30 69
Warwick & York	11 40
M. Weissenbruch	7 87
D. F. Wilcox	10 92
Williams & Wilkins	57 58
H. W. Wilson Co.	43 08
Wistar Institute of Anatomy and Biology	39 40
Yale University Press	5 23
Zoological Survey of India	27 45
Items under $5.00 (114)	315 31
The Bursar, postage supplied	313 00
The Librarian, disbursements: book deposits refunded $128.60; car tickets, cartage and sundries, $24.51; to be accounted for in 1922-23, $63.66=$216.77; less charged to previous year, $68.89	147 88
Clerical Assistance:	
Miss C. Adams, 1 month, 3 weeks and 2 days at $80.00 per month	146 32
Miss J. Jarvis, 45 weeks, 2 days at $75.00 per month	817 06
Miss Mary Peters, 6 months to 30 June	239 27

7. LIBRARY.—*Continued.*

Acid Proof Ink Co., ink	$5 06	
Allen Mfg. Co., laundry	13 68	
Art Metropole, shellac	3 05	
T. Eaton Co. Ltd., tray	16 50	
Gaylord Bros., binding supplies	28 74	
Grand & Toy Ltd., stationery	21 40	
Benson Johnson, truck	60 00	
Lowe-Martin Co., card tray	2 25	
Macey Office Equipment Co., desk and chair	87 50	
C. W. Mack, rubber stamps	9 45	
Might Directories, city directory	15 00	
Munson Supply Co., keys	10 00	
Office Specialty Mfg. Co., sections, etc.	178 88	
Photography, Dept. of, prints	18 30	
Remington Typewriter Co., repairs	9 75	
Royal Typewriter Co., typewriter	121 50	
Tablet & Ticket Co., tabs	8 91	
United Typewriter Co., inspection and supplies	106 05	
University Press, binding, $5,932.69; printing, and stationery, $1,027.94	6,960 63	
Superintendent's Dept., freight, etc., $755.77; labour, $252.10; material, $185.56	1,193 43	
	34,932 76	
Less graduates' deposits, $236.35; fines, $347.90; replacement of books lost, $38.01; subscriptions to and sale of books, $21.82; sundries, $15.78	659 86	
		34,272 90
		40,602 76

8. GYMNASIUM, STUDENTS' UNION AND ATHLETICS.

(*a*) Maintenance of Building (Hart House) $4.992.05):		
Routery Bros., repairs to pillars	4 50	
Superintendent's Dept., labour, $3,488.82; material, $1,503 11	4,991 93	
	4,996 43	
Less credit for breakages	4 38	
		4,992 05
(*b*) Athletics:		
Gymnastic appliances, etc. ($596.33):		
Argonaut Rowing Club, rowing machine	50 00	
Ingram & Bell, chemicals	2 81	
Lyman Bros. & Co., bandages, etc	18 92	
Rice, Lewis & Son, balls, boxing gloves, etc	199 52	
Harold A. Wilson Co., wrestling mat, gloves, etc.	304 23	
Superintendent's Dept., labour	20 85	
Attendance records and card system ($347.59):		
A. F. Bowen, clerical assistance, 9 weeks	180 00	
G. H. Dinwiddie, car fare to and from Trinity College for Physical Training classes	3 64	
Macey Office equipment Co., filing units	5 00	
H. A. MacLennan, clerical assistance 3½ weeks	52 50	
University Press, printing and stationery	106 45	
New Lockers ($1,321.75):		
Geo. B. Meadows, lockers	1,286 15	
Superintendent's Dept., labour, $28.40; material, $7.20	35 60	
Pianists' Services ($382.00):		
F. Pettus, 21 5-6 weeks at $17.50	382 00	
Health Service, Physician for Women ($2,500.00):		
Dr. Edith Gordon, 12 mos. to 30 June	2,500 00	
Sundry expenses, Women's Physician ($236.56):		
J. F. Hartz Co., supplies	100 86	
Mitchell & McGill, cabinet, etc	100 00	
University Press, printing	35 70	

8. GYMNASIUM, STUDENTS' UNION AND ATHLETICS.—*Continued.*

Physical Instruction to Women Students ($3,330.60):		
Miss I. Coventry, instructress, $1,600.00; rent of piano, 1920-21, $56.00; 1921-22, $48.00; petty disbursements, $8.10	$1,721 10	
A. L. Cochrane, instruction in swimming, 3 mos.	375 00	
G. H. Corsan, instruction in swimming, 3 mos.	664 30	
Mrs. H. F. Hoffman, instruction in swimming, 1 month	200 00	
Miss M. Conner, pianist	49 75	
D. Forbes, attendance	5 75	
Miss G. Hassard, head traction	7 50	
A. G. Spalding & Bros., balls	5 70	
Harold A. Wilson, Co., fencing foils, etc.	71 37	
Advertising: *The Globe*, $6.00; *Evening Telegram*, 99c.	6 99	
Superintendent's Dept., labour, $62.34; material, $18.18	80 52	
Women's Athletic Association, University College account:		
Farmer Bros., photographs	12 00	
Torontonensis, cuts	22 50	
University of Toronto Athletic Association, use of rink	40 00	
Harold A. Wilson Co., stockings	13 60	
Women's Athletic Directorate, club fee	10 00	
Women's Athletic Association, Victoria College account:		
J. Brotherton, sticks	9 80	
D. Forbes, attendance at meetings	27 00	
Ravina Tennis Club	7 20	
Harold A. Wilson Co., sticks	9 52	
		$8,714 83
		13,706 88

9. MILITARY STUDIES BUILDING AND DEPARTMENT.

(*a*) Maintenance of Building ($1,623.67):		
Heat and light ($800.10):		
Consumers' Gas Co., gas	39 30	
Britnell Contracting Co., teaming	50 57	
W. H. Cox Coal Co., fuel	710 23	
Water ($11.51):		
City Treasurer	11 51	
Caretaker's supplies ($32.26):		
Superintendent's Dept., material	32 26	
Cleaning ($303.28):		
Canadian Cleaning Co., cleaning windows	3 28	
Superintendent's Dept., labour	300 00	
Repairs and renewals ($476.52):		
Superintendent's Dept., labour, $374.40; material, $102.12	476 52	
(*b*) Maintenance of Department ($415.22):		
Office and general expenses ($304.43):		
Wm. Clowes & Sons, subscription	6 86	
O. K. Office Furniture, desk	10 80	
Photography, Dept. of, slides	46 00	
Chas. Potter, balopticon, etc	98 50	
United Typewriter Co., typewriter and ribbon	91 00	
University Press, printing and stationery	41 60	
Superintendent's Dept., material	9 67	
Use of Old Gymnasium as Drill hall ($110.79):		
Superintendent's Dept., labour, $80.92; material, $29.87	110 79	
		2,038 89

10. CONVOCATION HALL.

Heat and light (supplied from Central Power Plant)		
Water ($171.77):		
City Treasurer	171 77	
Caretaker's supplies ($197.34):		
Superintendent's Dept., labour, $6.18; material, $191 16	197 34	
Cleaning ($1,200.00):		
Canadian Cleaning Co., cleaning windows	34 00	
Superintendent's Dept., labour	1,166 00	
Repairs and renewals ($1,976.87):		
Italian Mosaic & Marble Co., repairs to floors	36 00	
Routery Bros., repairing ceiling	4 00	
Superintendent's Dept., labour, $1,386.28; material, $550.59	1,936 87	

10. CONVOCATION HALL.—*Continued.*

Caretaker, S. J. Apted, 12 mos. to 30 June (with house, heat and light valued at $300	$825 00	
	4,370 98	
Less amount received from Societies, etc (net)	764 27	
		3,606 71

11. GROUNDS.

Labour, gravel, roadways, granolithic walks, flowers, shrubs, etc. ($19,956.58):		
Aikenhead Hardware, mower, cutter, rakes, etc.	86 37	
Asphaltic Concrete Co., repairing roads	3,125 36	
Auto Tire Steam Vulcanizing Co., repairs	16 08	
City Treasurer, water	58 03	
W. H. Cox Coal Co., fuel	30 00	
Crescent Concrete Co., pavement	398 20	
John Denby, hay	34 16	
T. Eaton Co., harness, etc.	42 95	
Robert Elder Carriage Works, repairs	20 00	
Gutta Percha Rubber Co., tires	130 63	
G. M. Hendry Co., maps	17 64	
Jones & Slack, repairs to truck	11 75	
J. T. W. Low, repairs to harness	4 65	
J. J. McCabe, fodder	129 14	
Marchment Co., removing animal	3 00	
J. J. Milligan, geraniums	92 56	
Provincial Treasurer, truck license	18 00	
Hugh Reid, repairs to wagon, etc.	63 20	
Rice, Lewis & Son, lawn-mower	34 82	
R. Robertson & Son, concrete pavement, etc.	221 23	
Sheridan Nurseries, shrubs	20 00	
Steele Briggs Seed Co., seed	57 50	
W. H. Thomson, teaming	82 30	
Universal Car Co., repairs	34 08	
T. Wilkinson, hay	29 06	
Petty items (15)	20 93	
Superintendent's Dept., labour, $14,124.48; material, $1,050.46	15,174 94	
	19,956 58	
Less received from sale of wood, $153.00; repairing fence, etc., $40.00; cartage, etc., $171.28; use of tennis court, $45.00	409 28	
	19,547 30	
Iron fencing ($2,639.09):		
Architectural Bronze & Iron Works, fence, Hoskin Avenue	2,515 83	
City of Toronto, Dept. of Works, re-locating valve	123 26	
Foreman Gardener, G. Trotter 12 mos. to 30 June	1,500 00	
		23,686 39

12. PROTECTIVE SERVICE.

Pay of constables and nightwatchmen ($6,385.65):		
R. D'Arcy, 12 mos. to 30 June	1,200 00	
H. Diwell, 12 mos. to 30 June	1,200 00	
C. Fairbrass, 12 mos. to 30 June	1,200 00	
J. Banford (part time)	529 28	
D. Forbes (part time)	316 67	
J. Phillips (part time)	256 39	
W. Pike (part time)	486 60	
T. R. Powers (part time)	440 57	
W. J. Scott (part time)	756 14	
Uniforms, clock dials and other expenses ($320.29):		
A. A. Allan & Co., caps	7 21	
D. S. Buddo, repairs to clock, etc.	8 21	
Eco Clock Co., dials	10 64	
Hardinge Bros., of Canada, dials	3 62	
Ontario Tailoring Co., uniforms	76 00	
Superintendent's Dept., freight, $3.51; labour, $77.03; material, $134.07	214 61	
		6,705 94

13. EXAMINATIONS.

	Remuneration as Examiner	Expenses	Presiding Examiner	Attendant	Total
	$ c.		$ c.	$ c.	$ c.
Adamson, F. B				1 50	1 50
Alexander, W. J	36 75				36 75
Allan, F. B	22 63				22 63
Amyot, J. A	5 00				5 00
Anderson, G. R	19 00				19 00
Angus, R. W	17 00				17 00
Ardagh, E. G. R	10 75				10 75
Armour, R. G	55 00				55 00
Aylesworth, F. A	5 00				5 00
Baillie, W. H. T	10 25		51 00		61 25
Bain, J. W	30 50				30 50
Baker, A. W	39 50				39 50
Banting, E. W	12 25				12 25
Barley, E. B				18 00	18 00
Bates, H. C			3 00		3 00
Batt, H. E	9 50				9 50
Beatty, S	5 63				5 63
Bell, A. J	5 25				5 25
Bell, J. D				22 50	22 50
Bellisle, H. S	5 25				5 25
Bensley, B.A	5 50				5 50
Benson, Dr. C. C	16 63				16 63
Berkeley, G. H			15 00		15 00
Black, T. H	5 50				5 50
Blackwood, W. C.	5 25				5 25
Boswell, M. C	11 00				11 00
Bott, E. A	11 75				11 75
Brebner, J. B			234 00		234 00
Brebner, John				18 00	18 00
Brebner, Miss M			76 50		76 50
Brebner, W. B.				31 50	31 50
Brett, G. S	17 25				17 25
Bridges, J. W	11 75				11 75
Brown, Allan	50 00				50 00
Brown, G				18 00	18 00
Brown, H. S			18 00		18 00
Bruce, H. A	45 00				45 00
Buchanan, M. A	11 00				11 00
Burgess, E. L			3 00		3 00
Burt-Gerrans, J. T	6 25				6 25
Burton, E. F	27 13				27 13
Caesar, L	19 50				19 50
Cameron, J. Home	27 75				27 75
Cameron, M. H. V	45 00				45 00
Campbell, W. R	45 00				45 00
Carr, H	10 50				10 50
Carruthers, A	15 75				15 75
Cartwright, G. S			18 00		18 00
Cates, H. A	49 25				49 25
Chant, C. A	10 75				10 75
Chant, E. H			54 00		54 00
Cheney, S. K			18 00		18 00
Clarkson, F. A	45 00				45 00
Clawson, W. H	6 00		90 00		96 00
Clute, A. R	5 25				5 25
Clutterbuck, H. E	145 00				145 00
Cochrane, C. N	11 25		66 00		77 25
Cockburn, J. R	6 00		12 00		18 00
Cole, C. E. C	50 00				50 00
Coleman, A. P	15 75				15 75
Coxson, L. D. S				6 00	6 00
Craigie, E. H	22 25		87 00		109 25
Crane, H. C			18 00		18 00

13. Examinations—*Continued.*

	Remuneration as Examiner	Expenses	Presiding Examiner	Attendant	Total
	$ c.		$ c.	$ c.	$ c.
Crerar, S. R.	10 75		45 00		55 75
Crossgrove, G. M				19 50	19 50
Crow, J. W.	8 00				8 00
Cumming, R. B				46 50	46 50
Currelly, C. T	11 25				11 25
Currie, J. E			18 00		18 00
Curzon, S. R	27 63				27 63
Dale, E. A.	6 00		48 00		54 00
Dancey, W. A			18 00		18 00
Daniher, E. L			54 00		54 00
Davey, A	5 75				5 75
Davidson, A. G				24 00	24 00
Davis, H. H	35 00				35 00
Dean, H. H	31 25				31 25
Defries, R. D	12 50				12 50
DeLury, A. T	9 50				9 50
Detweiler, H. K	60 00				60 00
Dewey, J. H				33 00	33 00
Duckworth, H. T. F			33 00		33 00
Duff, D	11 00				11 00
Duff, G. H	5 25				5 25
Duff, M. H. V	45 00				45 00
Dunbar, W. B			27 00		27 00
Elliott, J. H	45 00				45 00
Ellis, O. W			15 00		15 00
Evans, G. A	56 50				56 50
Fairley, B	5 00				5 00
Faull, J. H	17 50				17 50
Ferguson, F. L	11 38				11 38
Ferris, C. B			96 00		96 00
Fields, J. C	15 25				15 25
Findlay, D. M				1 50	1 50
Fitzgerald, J. G	32 00				32 00
Fletcher, A. A	60 00				60 00
Forman, J. H				18 00	18 00
Foster, H. W. A	11 50				11 50
Fowler, W. J. R	9 50				9 50
Franklin, H. J			69 00		69 00
Fricker, A. H	19 75				19 75
Gaby, R. E	45 00				45 00
Gallie, J. G	5 00				5 00
Gallie, W. E	90 00				90 00
Gibson, A. L	45 75				45 75
Gillespie, P	22 75				22 75
Goldie, Wm	115 25				115 25
Goldsmith, P. G	50 00				50 00
Graham, Duncan	12 50				12 50
Graham, R. R	34 13				34 13
Graham, Roscoe R	99 75				99 75
Graham, W. R	51 00				51 00
Graper, Miss F	2 75				2 75
Guess, G. A	24 50				24 50
Guest, W. S	7 25		15 00		22 25
Gwatkin, R	19 00				19 00
Gwyn, N	45 00				45 00
Ham, A	23 00				23 00
Hames, C. F				22 50	22 50
Hamilton, A. E			18 00		18 00
Hampson, A				48 00	48 00
Harcourt, R	24 63				24 63
Harding, V. J	12 75				12 75
Hargreaves, F. L				18 00	18 00
Harris, Miss E			33 00		33 00

13. EXAMINATIONS—*Continued.*

—	Remuneration as Examiner	Expenses	Presiding Examiner	Attendant	Total
	$ c.		$ c.	$ c.	$ c.
Harris, R. I	45 00				45 00
Haultain, H. E. T	10 75		12 00		22 75
Hay, S. M	45 00				45 00
Heebner, C. F	114 00				114 00
Henderson, V. E	12 25				12 25
Hendry, W. B	57 00				57 00
Henry, S. E			18 00		18 00
Hepburn, G			18 00		18 00
Herzberg, O. W			15 00		15 00
Hodgins, L. C. A	10 75		27 00		37 75
Holland, U. C			21 00		21 00
Holt, G. E.	5 25				5 25
Hosking, R. S				39 00	39 00
Howe, C. D			18 00		18 00
Howitt, J. E	83 50				83 50
Hume, A. G				58 50	58 50
Hughes, C. A			45 00		45 00
Hunter, A	20 50				20 50
Huntsman, A. G	6 00				6 00
Hurst, R. O	57 00				57 00
Hutchison, H. S	45 00				45 00
Innes, H. A	11 50				11 50
Ireton, H. J. C			9 00		9 00
Irwin, J. A	7 00				7 00
Irwin, R. J				3 00	3 00
Irwin, W. A			33 00		33 00
Jackman, W. T	8 00				8 00
Jackson, G. E	16 75				16 75
Jackson, K. B			21 00		21 00
Jamieson, R	45 00				45 00
Jeanneret, F. C. A	15 00		67 50		82 50
Jermyn, P. V			15 00		15 00
Johnston, J. E. A				22 50	22 50
Jones, D. H	49 50				49 50
Keenleyside, R. D			18 00		18 00
Kennedy, I. E				40 50	40 50
Kennedy, W. P. M	6 00				6 00
Kenrick, F. B	31 75				31 75
Keys, Miss E			3 00		3 00
Keys, N. A	24 50				24 50
Kinnear, J. A	45 00				45 00
Kirkpatrick, F. H	6 00				6 00
Kirkwood, W. A	36 00		93 00		129 00
Knox, R. S	5 00				5 00
Lacey, Alex	39 00		36 00		75 00
Laing, Miss J. C	5 25		21 00		26 25
Laird, Miss A. L	5 50				5 50
Lancaster, H. K	8 00				8 00
Lane, W. B	2 88				2 88
Lang, W R	13 25				13 25
Langford, A. L	10 75		72 00		82 75
Langford, W. F				9 00	9 00
LeDrew, H. H	60 00				60 00
Leim, A. H				1 50	1 50
Leitch, A	22 50				22 50
LeMesurier, A. B	100 00				100 00
Locke, C. D			15 00		15 00
Lorriman, F. R			66 00		66 00
Loudon, T. R	10 75				10 75
Loudon, W. J	5 50				5 50
Lowry, W. H	45 00				45 00
Lund, T. H	14 50				14 50
Mabee, O. R	50 00				50 00
MacArthur, J. W	25 00		42 00		67 00

13. Examinations—*Continued.*

——	Remuneration as Examiner	Expenses	Presiding Examiner	Attendant	Total
	$ c.		$ c.	$ c.	$ c.
Macdonald, G. G.			15 00		15 00
MacFarlane, Miss J.	10 50				10 50
MacIver, R. M.	12 75				12 75
Mackenzie, A. J.	45 00				45 00
Mackenzie, J. J.	19 50				19 50
Mackenzie, M. A.	14 00				14 00
Maclean, Alex.	2 50				2 50
Maclennan, A. H.	8 00				8 00
Maclennan, D. N.	45 00				45 00
Macleod, J. J. R.	7 63				7 63
MacRitchie, K. A.				16 50	16 50
Madill, H. H.			12 00		12 00
Magner, Wm.	58 25				58 25
Maitland, H. B.	9 50				9 50
Marlow, F. W.	45 00				45 00
Marshall, C. E.	7 25				7 25
Mavor, James	11 25				11 25
Maxwell, G. D.			132 00		132 00
McCorkle, E. J.	10 50				10 50
McGillivray, A.			3 00		3 00
McGilvray, C. D.	19 00				19 00
McGowan, J.	13 75				13 75
McIlwraith, K. C.	45 00				45 00
McIntosh, C. W.	9 50				9 50
McIntosh, R. A.	9 50				9 50
McKellar, H. S.	40 50		109 50		150 00
McKeown, P. W. H.	45 00				45 00
McMullen, A. W.				42 00	42 00
McMullen, G. A.				42 00	42 00
McMurrich, J. P.	12 50				12 50
McPhedran, A. G.	115 50				115 50
McPhedran, J. H.	55 00				55 00
McPhedran, W. F.	55 00				55 00
McTaggart, H. A.	3 88				3 88
Mearns, Miss J. M.			108 00		108 00
Melson, J. W.			30 00		30 00
Michael, J. H.	5 50				5 50
Mickle, G. R.	20 00				20 00
Millar, W. N.	11 00		24 00		35 00
Millen, F. E.	11 50				11 50
Moffatt, R. C.	29 75				29 75
Moloney, P. J.	6 50				6 50
Moorhead, A. S.	10 00				10 00
Moote, S. A.				76 50	76 50
Moraud, M.	24 00				24 00
Morley, Miss S. G.	5 25				5 25
Mouré, F. A.	22 50				22 50
Muir, J. M.			36 00		36 00
Murphy, Rev. V. J.	17 25				17 25
Murray, L.	45 00				45 00
Murray, Rev. W. H.	42 25				42 25
Needler, G. H.	6 25				6 25
Neilson, J. A.	8 00				8 00
Oille, J. A.	122 50				122 50
Oten, B. L.				22 50	22 50
Park, Miss E. W.	8 25				8 25
Parkin, J. H.	22 50		15 00		37 50
Parks, W. A.	21 50				21 50
Parsons, A. L.	20 00				20 00
Patterson, Miss A. W.		2 52			2 52
Patterson, G. C.	19 25				19 25
Perfect, A. H.	45 00				45 00
Piersol, W. H.	13 25				13 25
Porter, A. M.			72 00		72 00

13. Examinations—*Continued.*

—	Remuneration as Examiner	Expenses	Presiding Examiner	Attendant	Total
	$ c.	$ c.	$ c.	$ c.	$ c.
Potter, W. A	5 50				5 50
Pounder, I. R	66 38		109 50		175 88
Powell, H. R				22 50	22 50
Pratt, E. J			75 00		75 00
Pratt, Mrs. V. L			24 00		24 00
Price, H. W	8 50				8 50
Primrose, A	103 25				103 25
Pringle, J. N	9 50				9 50
Redmond, C. A				21 00	21 00
Richardson, W. L. C			54 00		54 00
Riley, R. C				18 00	18 00
Robertson, D. E	55 00				55 00
Robertson, J. C	40 50				40 50
Robertson, L. B	55 00				55 00
Robins, J. D	22 75		54 00		76 75
Robinson, T. A	47 88				47 88
Robinson, W. L	55 50				55 50
Rolph, E. A			18 00		18 00
Rosebrugh, T. R	23 50				23 50
Ross, R. A	40 00				40 00
Royal College of Dental Surgeons	1,878 37	361 19	259 50	74 25	2,573 31
Royce, G	45 00				45 00
Rudolf, R. D	110 75				110 75
Russell, N. E				19 50	19 50
Ryerson, E. S	45 00				45 00
Sackville, J. P	90 00				90 00
Sagar, W. L			45 00		45 00
Scarrow, A. N			24 00		24 00
Scott, P. L	62 50	20 25			82 75
Scott, S. M			9 00		9 00
Scott, W. A	100 00				100 00
Sexsmith, E. L				3 00	3 00
Shaver, C. B				18 00	18 00
Shaw, H. R. F				30 00	30 00
Shaw, J. E	5 25				5 25
Shaw, T. P. G			15 00		15 00
Sheard, C	45 00				45 50
Shenstone, B. S	50 00				50 00
Sheppard, N. E	10 50		24 00		34 50
Shrum, G. M				3 00	3 00
Shuttleworth, C. B	95 00				95 00
Sifton, H. B	18 25				18 25
Silverthorn, G	109 75				109 75
Simpson, Miss N. W			33 00		33 00
Sissons, C. B	5 25				5 25
Smith, G. O	9 75				9 75
Smith, L. G				18 00	18 00
Smith, W. G			67 50		67 50
Smither, W. J			75 00		75 00
Spencer, G. J	43 00				43 00
Sproule, W. E	31 00				31 00
Squirrel, W. J	22 50				22 50
Stevenson, O. J	38 50				38 50
Stewart, L. B	6 25				6 25
Stewart, R. de la P				39 00	39 00
Stewart, V				22 50	22 50
Stewart, W. D				10 50	10 50
Stinson, D. M				45 00	45 00
Stone, R. E	14 75				14 75
Stratford, R. K	7 00				7 00
Strathearn, D. K. C			18 00		18 00
Strathy, G. S	50 00				50 00
Sykes, H. R				24 00	24 00

13. Examinations—*Continued.*

——	Remuneration to Examiner	Expenses	Presiding Examiner	Attendants	Totals
	$ c.	$ c.	$ c.	$ c.	$ c.
Synge, J. L	17 00		3 00		20 00
Taylor, F. H			9 00		9 00
Taylor, N. B	31 63				31 63
Taylor, W. R	13 25				13 25
Tennyson, A. L			18 00		18 00
Thompson, O. R				27 00	27 00
Tilby, A. E			33 00		33 00
Tomlinson, A. H	16 00				16 00
Toomer, J. E			18 00		18 00
Tracey, H. L				12 00	12 00
Tracy, F	5 50				5 50
Treadgold, W. M	5 75		12 00		17 75
Trowern, Miss I. M			30 00		30 00
Turnbull, A. G			18 00		18 00
Tye, W. F	30 00				30 00
Unwin, G. H	45 00				45 00
Vogt, A. S	3 00				3 00
Waddell, Miss E. G	10 75		54 00		64 75
Walker, E. M	5 25				5 25
Walker, T. L	12 00				12 00
Wallace, M. W	29 25				29 25
Wallace, W. S	31 25				31 25
Walton, Miss E				18 00	18 00
Walton, W. R				1 50	1 50
Wardell, A			51 00		51 00
Waterman, S	30 00				30 00
Watson, B. P	103 00				103 00
Watson, W. V	45 00				45 00
Watt, J. C	11 75		90 00		101 75
Weicker, J. J			18 00		18 00
Weissgerber, L. A			36 00		36 00
Wheatley, A. C	21 00				21 00
White, J. H			27 00		27 00
Willan, Healey	39 25				39 25
Williams, R. Hodder	28 75		48 00		76 75
Wilson, A. E			21 00		21 00
Wilson, G. E	121 50				121 50
Windle, Sir Bertram	5 25				5 25
Wishart, D. J. G	100 00				100 00
Woodcock, J. N	20 50		33 00		53 50
Woodhead, W. D			111 00		111 00
Wookey, G. E	10 25		60 00		70 25
Workman, G. R			21 00		21 00
Wright, A. B	45 00				45 00
Wright, C. H. C			12 00		12 00
Wright, W. J. T			18 00		18 00
Wyllie, W. J				46 50	46 50
Young, A. H	8 50				8 50
Young, C. R	14 00				14 00
Young, G. S	50 00				50 00
Young, J. F. T			9 00		9 00
Zavitz, C. A	22 50				22 50
Zimmer, A. R			69 00		69 00
Totals	$9,198 69	383 96	$4,218 00	$1,193 25	$14,993 90

Apportionment.

——	Remuneration to Examiner	Expenses	Presiding Examiner	Attendants	Totals
	$ c.	$ c.	$ c.	$ c.	$ c.
Arts	1,016 53	....	978 00	559 50	2,554 03
Medicine	4,157 75	....	360 00	157 50	4,675 25
Applied Science	471 50	....	1,269 00	18 00	1,758 50
Pedagogy	....	....	24 00	....	24 00
Forestry	49 00	....	69 00	....	118 00
Law	59 50	....	12 00	....	71 50
Dentistry	1,878 37	361 19	259 50	74 25	2,573 31
Pharmacy	290 00	20 25	75 00	105 00	490 25
Music	107 50	2 52	30 00	....	140 02
Agriculture	997 02	......	72 00	....	1,069 02
Veterinary Science	160 52	......	27 00	....	187 52
Social Service	....	....	24 00	....	24 00
Junior Matriculation	11 00	....	1,018 50	279 00	1,308 50
	$9,198 69	$383 96	$4,218 00	$1,193 25	$14,993 90

Remuneration to Examiners (as detailed above)		$ 9,198 69
Presiding and Attendance (as detailed above)		5,411 25
Examination Supplies and Sundries, including incidental expenses of Examiners ($1,618.23).		
Examiners' expenses (as detailed above)	$ 383 96	
Filling in Diplomas; E. Awde, $116.53; Robert M. Williams, $138.75	255 28	
Royal College of Dental Surgeons, record sheets	20 00	
University of Toronto Engineering Society, supplies	13 84	
Victoria College, use of rooms	30 00	
University Press, paper, etc	520 10	
Supplies for Pharmacy Examinations, C. F. Heebner	109 20	
Superintendent's Department, Labour, $236.30; Material, $49.55	285 85	
		1,618 23
Printing Examination papers and Class lists University Press		6,258 77
		22,486 94
Less Sundry Credits		18 87
		22,468 07

14. CONVOCATION EXPENSES

Geo. Coles, Ltd., catering	1,277 75	
48th Highlanders' Band, services	88 00	
Harcourt & Son, Ltd., hoods and gowns	652 00	
University, Press, invitations, tickets, etc.	233 85	
Superintendent's Dept., labour	34 61	
		2,286 21

15. RECEPTIONS TO SOCIETIES AND UNIVERSITY VISITORS.

Expenses *re* sundry public lectures:

By Sir Bertram Windle ($719.80):

Honorarium	500 00
Photography, Dept. of, slides	34 40
Newton & Co., slides	101 10
Southall Bros. & Barclay, slides	61 40
Customs charges on slides	10 90
Lantern operator, Miss M. Hines	6 00
Attendant, J. Wicksey	6 00

15. RECEPTIONS TO SOCIETIES AND UNIVERSITY VISITORS.—*Continued.*

By Prof. Wm. Bateson ($506.23):		
Honorarium	450 00	
York Club, accommodation	55 23	
Attendant, T. Motton	1 00	
By Prof. J. E. Creighton ($79.08):		
Honorarium	79 08	
By Prof. W. E. Hocking ($109.44):		
Honorarium	105 44	
Secretary-Treasurer, Hart House, room rent	4 00	
By Prof. P. D. Shastri ($111.44):		
Honorarium	105 44	
Secretary-Treasurer, Hart House, room rent	6 00	
By Prof. F. J. E. Woodbridge ($109.44):		
Honorarium	105 44	
Secretary-Treasurer, Hart House, room rent	4 00	
Secretary-Treasurer, Hart House:		
Dinner for Lord Byng, $57.40; accommodation for sundry guests, $16.00	73 40	
Jas. Briebner, Registrar, entertainment of University representatives at Matriculation Conference	17 00	
Geo. Coles, catering at Public Health Nursing closing exercises	81 25	
Ontario Educational Association Reception ($203.60):		
Geo. Coles, catering	175 00	
Superintendent's Dept., sundry labour	28 60	
York Club, luncheon for Serbian visitors	10 34	
Deer Park Garage & Livery, Ltd., taxi service	7 50	
		$2,028 52

16. TELEPHONES.

Bell Telephone Co., telephone service to 30 June, 1922		4,132 30	
G. Lynne, half cost of phone at house (Anatomical Dept.)		16 50	
		4,148 80	
Less receipts from sub-services	688 33		
And from slot machines	44 32	732 65	
		3,416 15	
Switchboard operators ($1,341.47):			
Miss N. Patterson, 34 weeks, 5 days at $18.00 per week		627 00	
Miss F. Forfar, 10 weeks, 2 days at $18.00 per week		186 42	
Miss J. Scott, 24 weeks at $7.00, $168.33; 2 days at $18.00 per week, $6.00		174 33	
Mrs. J. Lawrence, 10 weeks, 2 days at $7.00 per week, $72.00; 3 weeks, 4 1-3 days at $18.00 per week, $67.50; 2 weeks at $16.00, $32.00		171 50	
Mrs. M. Johnston, 19 weeks less ½ day at $7.00 per week, $132.08; 8½ days at $18.00 per week, $25.50		157 58	
Miss G. Malloy, 5½ days at $18.00 per week		15 64	
Miss E. Fox, 2 days at $7.00 per week, $2.00; 13 hours at 38½c. $5.00; 8 hours at 25c. $2.00		9 00	
			4,757 62

17. INSURANCE.

Premiums on general schedule (three years):	
Aetna Insurance Co.	1,162 50
Alliance Assurance Co.	1,162 50
Atlas Assurance Co.	1,162 50
British America Assurance Co.	1,162 50
Guardian Assurance Co.	1,162 50
Hartford Fire Insurance Co.	1,162 50
Liverpool & London & Globe Insurance Co.	1,162 50
London Assurance Co.	1,162 50
London & Lancashire Insurance Co.	1,162 50
Northern Assurance Co.	1,162 50

17. INSURANCE.—*Continued.*

Norwich Union Fire Insurance Society		$1,162 50	
Phœnix Assurance Co. of London		1,162 50	
Queen City Fire Insurance Co.		1,162 50	
Royal Insurance Co.	$1,162 50		
Less rebate on cancelled policy	24 43	1,138 07	
Scottish Union & National Insurance Co.	1,162 50		
Less rebate on cancelled policy	9 10	1,153 40	
Sun Insurance Co.		1,162 50	
Western Assurance Co.		1,162 50	
Continental Insurance Co.	1,162 50		
Less rebate on cancelled policies	62 28	1,100 22	
Commercial Union Assurance Co.		930 00	
Home Insurance Co.		930 00	
Yorkshire Insurance Co.		930 00	
Caledonia Insurance Co.		775 00	
New York Underwriters'	620 00		
Less rebate on cancelled policies	106 03	513 97	
Quebec Fire Assurance Co.		620 00	
British Crown Assurance Corporation		465 00	
General Fire Assurance Corporation		465 00	
Insurance Co. of North America		465 00	
Law Union and Rock Insurance Co.		465 00	
Phœnix Insurance Co. of Hartford		930 00	
Queen Insurance Co.		930 00	
Union Assurance Co.		465 00	
Essex & Suffolk Equitable Insurance Co.		387 50	
Mercantile Fire Insurance Co.		387 50	
Perth Mutual Fire Insurance Co.		387 50	
Royal Exchange Assurance Co.		387 50	
Dominion of Canada Guarantee & Accident Insurance Co.		310 00	
Liverpool & London & Globe Insurance Co.	$310 00		
Less rebate on cancelled policies	106 03	203 97	
Quebec Assurance Co.		310 00	
Royal Exchange Assurance Co.		232 50	
Employers' Liability Assurance Corporation		155 00	
London Mutual Fire Insurance Co.		124 00	
Waterloo Mutual Fire Insurance Co.		124 00	
North British & Mercantile Insurance Co.		4,169 50	
Boiler Inspection and Insurance Co.		578 50	
		37,470 63	
One-third of above amount charged to revenue, 1921-22 (balance carried forward)		12,490 21	
Casual Premiums:			
New York Underwriters' Agency, 86 Queen's Park		100 00	
London Guarantee & Accident Insurance Co., University effects in Hospital for Sick Children		24 50	
North British & Mercantile Insurance Co., storage sheds and contents		110 00	
Dominion of Canada Guarantee & Accident Insurance Co., automobile insurance: Geology, $40.05; Mineralogy, $37.40; Superintendent, $101.60; Ground truck, $71.25		250 30	
Hydro-Electric Power Commission, electrical inspection		50 00	
		13,025 01	
Less sundry cash refunds:			
North British & Mercantile Insurance Co.	$385 73		
Phœnix Assurance Co	5 67		
Phœnix Insurance Co., of Hartford	3 40		
Waterloo Mutual Fire Insurance Co.	14 10	408 90	
			12,616 11

18. ADVERTISING.

(Transferred to Publicity Department).

19. *Aid to Publications and Societies.*

Alumni Federation, University of Toronto Monthly	$3,000 00	
American School of Oriental Research in Jerusalem	100 00	
British School of Archæology in Jerusalem	89 72	
Canadian Historical Review	1,000 00	
Royal Astronomical Society of Canada	100 00	
Universities Bureau of the British Empire	250 00	
University of Toronto Engineering Society	150 00	
		$4,689 72

20. UNIVERSITY STUDIES.

H. H. Langton, remuneration as General Editor, 12 mos. to 30 June	200 00	
University Press, printing and binding	1,571 48	
Reprints ($123.34):		
American Chemical Society	15 03	
F. G. Banting	6 82	
Journal of Physical Chemistry	9 98	
C. V. Mosby Medical Book & Publishing Co	15 17	
Williams & Wilkins	32 42	
Wistar Institute of Anatomy & Biology	43 92	
Publication of Canadian Historical Review ($3,474.20):		
W. J. Dunlop, remuneration as business manager, 12 months to 30 June	100 00	
W. S. Wallace, editorial fee	400 00	
The Bursar, postage supplied	100 00	
University of Toronto Monthly, advertising	10 00	
W. J. Dunlop, disbursements: stenographer's salary, 50 weeks at $7.00 per week, $350.00; payments to contributors, $318.50; bulk postage, $30.96; advertising commission, $24.75; sundries, $4.04	728 25	
University Press, printing	2,135 95	
	5,369 02	
Less charged to Trust Funds Account	3,369 02	
		2,000 00

21. LAW COSTS.

John A. Paterson, K.C., taxed costs as solicitor to the University		1,013 11	
Blake, Lash, Anglin & Cassels:			
re University Residence Trust	$203 25		
re Toronto Conservatory of Music	154 80	358 05	
		1,371 16	
Less credit		3 00	
			1,368 16

22. TRAVELLING EXPENSES.

Travelling expenses of the President and Academic Staff ($2,134.67):	
Sir Robert Falconer	256 86
R. W. Angus	50 00
J. B. Bickersteth	86 23
A. T. Delury	29 00
J. G. Fitzgerald	115 97
P. Gillespie	100 00
E. Goggio	50 00
Miss E. M. Hickmans	25 00
C. D. Howe	32 00
W. T. Jackman	200 00
A. T. Laing	50 00
Miss A. L. Laird	25 00

22. TRAVELLING EXPENSES.—*Continued.*

Miss A. C. McGregor	$50 00	
J. J. Mackenzie	20 70	
J. J. R. Macleo	30 10	
J. P. McMurrich	132 90	
C. H. Mitchell	106 35	
M. Moraud	50 00	
W. Pakenham	123 65	
A. L. Parsons	16 66	
H. W. Price	75 00	
A. Primrose	222 83	
E. S. Ryerson	28 75	
C. L. Starr	28 75	
Ellis Thomson	16 66	
Miss M. M. Waddington	36 61	
T. L. Walker	16 66	
W. S. Wallace	71 55	
J. G. Wishart	29 50	
Miss M. Yates	33 00	
C. R. Young	25 00	
Travelling expenses of Members of the Senate ($200.86):		
Jas. H. Coyne	63 81	
A. P. Gundry	57 05	
E. R. Jameson	80 00	
		$2,335 53

23. SENATE ELECTIONS.

(Nothing spent.)

24. ROLL OF SERVICE.

(Nothing spent.)

25. ALUMNI ASSOCIATION.

Administration of Memorial Loan Fund:		
Alumni Federation, grant as voted	1,500 00	
Keeping of Alumni Register:		
Alumni Federation, grant as voted	500 00	
Deficit on Office Expenses of 1920-21:		
Alumni Federation, towards deficit	1,000 00	
		3,000 00
		300,201 56

II. FACULTY OF ARTS.

26. Salaries.

(1) DEPARTMENTS IN UNIVERSITY OF TORONTO ($328,435.08).

Mathematics.

Professors, each 12 mos. to 30 June:		
A. T. DeLury	$5,700 00	
M. A. Mackenzie	5,400 00	
J. C. Fields	5,400 00	
S. Beatty, Associate Professor, 12 mos. to 30 June	3,875 00	
Assistant Professors, each 12 mos. to 30 June:		
I. R. Pounder	3,125 00	
J. L. Synge	2,850 00	
Miss M. E. G. Waddell, Tutor (Sessional)	1,000 00	
Fellows (Sessional):		
Miss I. V. Jackson	700 00	
Miss L. M. Phillips	700 00	
J. H. Simester	700 00	
W. S. Ferguson, Lecturer in Accounting (Sessional—paid also $400 in Political Science)	600 00	
		$30,050 00

Mechanics.

W. J. Loudon, Professor, 12 mos. to 30 June	5,700 00	
N. E. Sheppard, Lecturer (Sessional)	1,800 00	
		7,500 00

Physics.

J. C. McLennan, Professor, 12 mos. to 30 June	6,000 00	
Associate Professors, each 12 mos. to 30 June:		
E. F. Burton	4,320 00	
J. Satterly	4,200 00	
Assistant Professors, each 12 mos. to 30 June:		
L. Gilchrist	3,560 00	
H. A. McTaggart	3,125 00	
Demonstrators (Sessional):		
D. S. Ainslie	1,500 00	
Miss F. M. Quinlan	1,300 00	
H. C. Bates	1,200 00	
Miss K. M. Crossley	1,200 00	
Miss H. C. Millar	1,200 00	
J. E. Currie	750 00	
Assistant Demonstrators (Sessional):		
Miss H. I. Eadie	750 00	
Miss E. M. Pearen	750 00	
Miss A. T. Reed, Class Assistant and Secretary, 12 months' salary	1,600 00	
Miss M. Swonnell, Clerical Assistant, 12 mos. to 30 June	1,000 00	
Mechanicians, each 12 mos. to 30 June:		
T. S. Plaskett	2,400 00	
J. Ward, Assistant ($1,800 less time given to University exhibit in September and charged to Publicity, $22.40)	1,777 60	
J. Young, Assistant	1,800 00	
E. R. Slade, Assistant ($1,700 less time given to University exhibit in September and charged to Publicity, $21.00)	1,679 00	
J. R. Dowdell, Assistant	1,600 00	
R. H. Chappell, Glass-blower, 12 mos. to 30 June	2,400 00	
P. Blackman, Lecture and Laboratory Assistant, 12 months' salary	1,400 00	
		45,511 60

Astronomy.

C. A. Chant, Professor, 12 mos. to 30 June	$4,920 00	
J. A. Pearce, Demonstrator (Sessional) $1,200; charge of night work, $600	1,800 00	
Assistants (Sessional):		
F. L. Blake	150 00	
H. W. Dewey	75 00	
H. J. Stowe	75 00	
		$7,020 00

Geology.

Professors, each 12 mos. to 30 June:		
A. P. Coleman, also Dean of Faculty (retired)	6,000 00	
W. A. Parks, Palæontology	5,220 00	
A. MacLean, Assistant Professor, 12 mos. to 30 June	3,125 00	
W. S. Dyer, Class Assistant, Geology and Palæontology (Sessional)	1,000 00	
J. Rickett, Laboratory Attendant, 7 mos., 25 days to 20 May @ $75 per month	588 20	
		15,933 20

Mineralogy.

T. L. Walker, Professor, 12 mos. to 30 June	$6,000 00	
A. L. Parsons, Associate Professor, 12 mos. to 30 June	3,840 00	
Ellis Thomson, Assistant Professor, 12 mos. to 30 June	2,700 00	
W. L. Swanson, Assistant (Sessional)	1,000 00	
W. Allingham, Laboratory Attendant, 8 months' salary	680 00	
		14,220 00

Chemistry.

Professors, each 12 mos. to 30 June:		
W. Lash Miller, Physical Chemistry	5,700 00	
F. B. Kenrick	4,800 00	
F. B. Allan, Organic Chemistry	4,800 00	
Assistant Professors, each 12 mos. to 30 June:		
L. J. Rogers	3,250 00	
J. T. Burt-Gerrans, Electro-Chemistry	3,125 00	
W. S. Funnell	2,700 00	
W. H. Martin, Lecturer (Sessional)	2,500 00	
Assistants (Sessional):		
C. S. Gilbert	800 00	
E. Haas	800 00	
W. B. Leaf	800 00	
J. W. Rebbeck	800 00	
G. Williams	800 00	
D. M. Findlay	700 00	
F. Lorriman	700 00	
W. G. Noble	700 00	
K. L. Wismer	700 00	
A. M. Thomas @ $500 (resigned 28 February)	312 50	
E. W. Todd, 2 mos. @ 2.50 (paid also $1.750 in Special Research)	500 00	
W. K. Thompson	280 00	
Demonstrators, Electro-Chemistry (Sessional):		
W. R. Fetzer	1,800 00	
J. H. Ratcliff	800 00	
A. E. R. Westman	800 00	
E. J. Repath, Laboratory Assistant (with rooms, heat and light valued at $420 as caretaker of Chemical Building) 12 mos to 30 June, $1,100; Lecture Assistant (Sessional) $350	1,450 00	
Laboratory Attendants:		
W. Banton, 12 months' salary	650 00	
S. King, 12 months' salary	500 00	
W. Major, 29 weeks @ $7.50	217 50	
G. Banton, Electro-Chemistry, 41 weeks less 1 day @ $8.25	337 00	
E. A. Bishop, Lecture Assistant, Electro-Chemistry (Sessional—paid also as caretaker of Mining Building)	100 00	
		41,422 00

Biology.

B. A. Bensley, Professor, Zoology, 12 mos. to 30 June	$5,400 00	
Associate Professors, each 12 mos. to 30 June:		
W. H. Piersol, Mammalian Anatomy	4,500 00	
E. M. Walker	3,900 00	
A. G. Huntsman, Marine Biology (without salary)	......	
Assistant Professors, each 12 mos. to 30 June:		
W. A. Clemens, Limnobiology, @ $3,125 of which $2,000 paid from Special Research Fund	1,125 00	
A. F. Coventry, Vertebrate Embryology	3,125 00	
Lecturers (Sessional):		
J. R. Dymond, Systematic Vertebrate Zoology	2,000 00	
E. H. Craigie, Comparative Anatomy and Neurology	1,875 00	
J. W. MacArthur, Experimental Biology and Genetics (paid also $250 in Physiology)	1,875 00	
W. H. T. Baillie, Mammalian Anatomy	2,000 00	
H. G. Armstrong, Demonstrator (Sessional)	800 00	
Miss N. H. C. Ford, Special Assistant for Household Science (Sessional)	600 00	
Class Assistants (Sessional):		
L. A. Pequegnat (paid also $100 in Anatomy)	200 00	
A. E. McCulloch	195 00	
J. H. A. Macdonald	175 00	
J. M. Macdonald	130 00	
H. D. Ball	100 00	
A. G. McPhedran (paid also $200 in Medicine)	100 00	
W. E. Sparks	100 00	
P. D. Spohn (paid also $100 in Anatomy)	75 00	
W. J. K. Harkness	60 00	
R. S. Stone	50 00	
O. C. J. Withrow	50 00	
N. F. Morrison	40 00	
F. C. Hamilton	30 00	
N. A. McCormick	30 00	
G. A. Davis	25 00	
N. K. Bigelow, Assistant in Systematic Biology, 10 months' salary	1,400 00	
Preparator Service: @ 66c. to 75c. per hour:		
J. E. Bates, 480 hours	360 00	
R. C. Riley, 251 hours	181 95	
Miss M. Maitland, 109½ hours	72 27	
Miss K. L. Jeffs, 25¾ hours	19 31	
M. I. Sparks, 70 hours	52 50	
Miss M. V. Doran, 235 hours	170 25	
Mrs. E. J. Kingsley, 39 charts @ $6	234 00	
A. Pride, Sub-Curator, Biological Museum, 12 months to 30 June	1,300 00	
Miss E. Mason, Office Assistant, 12 months to 30 June	1,000 00	
Miss N. C. Lawler, Departmental Secretary, 12 months' salary	1,000 00	
Laboratory Attendants:		
J. T. Howells, 12 months to 30 June	1,400 00	
E. Whitehouse, 32 weeks @ $15.62½	500 00	
		$36,250 28

Botany.

J. H. Faull, Professor, 12 months to 30 June	4,920 00
R. B. Thomson, Associate Professor, Phanerogamic Botany, 12 months to 30 June	4,320 00
Lecturers (Sessional):	
G. H. Duff	2,200 00
Miss J. G. Wright	1,600 00
Assistants (Sessional):	
G. H. Berkeley (paid also $400 in Special Research)	1,500 00
A. R. Walker, $1,500; Technical Assistant, $100 (paid also $300 in Special Research)	1,600 00
H. P. Bell (paid also $400 in Special Research)	1,200 00

Botany.—Continued.

C. H. McLeod	$750 00	
Miss H. I. Haining (part time—paid also $400 for Summer work in Herbarium)	500 00	
G. D. Darker, $150; Technical Assistant, $100	250 00	
Miss K. M. Millar	200 00	
Technical Assistants (Sessional)		
Miss M. V. McCulloch	1,000 00	
Miss L. M. Hunter	650 00	
H. N. Racicot	25 00	
A. Simpson, Gardener (with living quarters valued at $360) 12 months to 30 June	1,600 00	
Laboratory Attendants:		
F. Christie, 10 weeks, 2 days @ $9.00	93 00	
S. G. Smith, 39 weeks @ $15.00	585 00	
		$22.993 00

History.

G. M. Wrong, Professor, 12 months to 30 June	6,000 00	
Associate Professors, each 12 months to 30 June:		
R. Hodder Williams	3,875 00	
G. M. Smith	3,875 00	
R. Flenley	3,875 00	
W. P. M. Kennedy, Assistant Professor, 12 months to 30 June	2,000 00	
Lecturers (Sessional):		
J. Bartlett Brebner	2,000 00	
H. H. Wrong	2,000 00	
Special Lecturers (Sessional):		
W. S. Wallace (paid also as Assistant Librarian)	1,000 00	
S. H. Hooke	940 00	
		25,565 00

Comparative Philology.

A. J. Bell, Professor. 3 months to 30 September, (part time—retired)	225 00	
		225 00

Italian and Spanish.

Professors, each 12 months to 30 June:		
M. A. Buchanan	4,920 00	
J. E. Shaw	4,800 00	
E. Goggio, Assistant Professor, 12 months to 30 June	2,700 00	
G. C. Patterson, Lecturer (Sessional)	2,400 00	
J. Pijoan, Special Lecturer (Sessional)	1,500 00	
		16,320 00

Philosophy.

Professors, each 12 months to 30 June:		
J. G. Hume, History of Philosophy	5,700 00	
G. S. Brett, also Director of Psychological Department (paid also $200 in Ontario College of Education)	5,000 00	
T. R. Robinson, Assistant Professor, 12 months to 30 June	3,875 00	
Winthrop Bell, Lecturer (Sessional)	1,500 00	
		16,075 00

Psychology.

Assistant Professors, each 12 months to 30 June :		
E. A. Bott, $3,150; instruction to medical students (from Rockefeller Fund) $200	3,350 00	
J. W. Bridges, $3,150; instruction to medical students (from Rockefeller Fund) $200	3,350 00	
Miss K. M. Banham, Lecturer (Sessional)	1,500 00	

Psychology.—Continued.

Class Assistants (Sessional):		
Miss J. Masten @ $500 (resigned 28 February)	$277 78	
Miss G. Evans @ $500 (from 1 March)	222 22	
Miss M. Fletcher	300 00	
J. K. Latchford, Laboratory Assistant (Sessional) from Rockefeller Fund (paid also $400 in Physiology and $100 in Special Research)	400 00	
G. C. Cooper, Technician, 12 months' salary	1,900 00	
	11,300 00	
Less charged to Rockefeller Fund	800 00	
		$10,500 00

Political Science.

Professors, each 12 months to 30 June:		
J. Mavor	6,000 00	
R. M. MacIver, Political Economy	4,500 00	
C. R. Fay, History of Economics	4,000 00	
T. H. Black, Roman Law	3,250 00	
Associate Professors, each 12 months to 30 June:		
W. T. Jackman, Rural Economics	3,800 00	
G. E. Jackson, Political Economy	3,600 00	
Lecturers (Sessional):		
H. A. Innis	2,000 00	
H. R. Kemp	1,800 00	
Vincent Bladen, Instructor, Political Economy (Sessional)	1,500 00	
Lecturers (Sessional):		
A. R. Clute, Federal, English and Colonial Constitutional Law (paid also $500 in Faculty of Applied Science)	750 00	
H. W. A. Foster, Commercial and International Law	750 00	
W. S. Ferguson, Accounting (paid also $600 in Mathematics)	400 00	
		32,350 00

History of Industrial Art.

C. T. Currelly, Professor, 12 months to 30 June (part time)	4,500 00	
Miss C. Harcum, Assistant in Archaeology, 12 months' salary	2,000 00	
		6,500 00

(2) DEPARTMENTS IN UNIVERSITY COLLEGE ($137,638.50).

Greek.

Professors, each 12 months to 30 June:		
M. Hutton (paid also $1,250 as Principal of University College)	6,000 00	
A. Carruthers, Greek Archaeology	4,920 00	
W. D. Woodhead, Assistant Professor, 12 months to 30 June	3,450 00	
		14,370 00

Latin.

J. MacNaughton, Professor, 12 months to 30 June	6,000 00	
G. Oswald Smith, Associate Professor, 12 months to 30 June (paid also as Registrar, University College—half year, $325)	3,720 00	
Assistant Professors, each 12 months to 30 June :		
E. A. Dale	3,450 00	
David Duff	2,940 00	
Miss E. Harris, Instructor (Sessional—with living valued at $400)	1.500 00	
		17,610 00

Ancient History.

W. S. Milner, Professor, 12 months to 30 June	5,700 00	
C. N. Cochrane, Associate Professor, 12 months to 30 June	3,600 00	
A. Grant Brown, Assistant Professor, 12 months to 30 June	3,125 00	
		12,425 00

English.

Professors, each 12 months to 30 June		
W. J. Alexander	$6,000 00	
D. R. Keys, Anglo-Saxon (retired)	4,920 00	
M. W. Wallace	4,920 00	
R. S. Knox, Associate Professor, 12 months to 30 June	3,200 00	
W. H. Clawson, Assistant Professor, 12 months to 30 June	3,250 00	
Lecturers (Sessional):		
Miss M. M. Waddington, (paid also $1,000 in University College Women's Union)	2,000 00	
Miss G. I. Wookey	1,500 00	
J. D. Robins, Temporary Instructor (Sessional)	800 00	
Temporary Assistance for Reading Essays:		
Miss E. L. Alexander (paid also in Library)	115 50	
W. M. Whitelaw	103 00	
		$26,808 50

French.

Professors, each 12 months to 30 June		
J. Home Cameron	5,220 00	
J. S. Will @ $4,920 (on leave of absence on two-thirds' salary)	3,280 00	
Associate Professors, each 12 months to 30 June		
St. E. de Champ	4,500 00	
F. C. A. Jeanneret, 3 months @ $3,450; 9 months @ $3,500 (paid also $325 as Registrar, University College, half year)	3,487 50	
M. Moraud, 3 months @ $3,450; 9 months @ $3,500	3,487 50	
H. S. McKellar, Assistant Professor, 12 months to 30 June	2,700 00	
Lecturers (Sessional):		
J. G. Andison	2,200 00	
W. D. Evans	1,900 00	
Instructors (Sessional):		
W. J. McAndrew	1,300 00	
A. E. Tilby	1,100 00	
L. A. Bibet	800 00	
		29,975 00

German.

G. H. Needler, Professor, 12 months to 30 June	5,400 00	
Barker Fairley, Associate Professor, 12 months to 30 June	4,200 00	
Thure Hedman, Assistant Professor, 12 months to 30 June	3,000 00	
G. E. Holt, Lecturer (Sessional)	2,340 00	
		14,940 00

Oriental Languages.

Professors, each 12 months to 30 June		
W. R. Taylor	5,220 00	
J. A. Craig (retired)	4,920 00	
W. A. Irwin, Lecturer (Sessional) $2,000; honorarium for extra services, $150	2,150 00	
		13,290 00

Ethics.

F. Tracy, Professor, 12 months to 30 June	5,220 00	
		5,220 00

University College General.

M. Hutton, Principal, 12 months to 30 June (paid also in Greek)	1,250 00	
Registrar:		
F. C. A. Jeanneret (Michaelmas Term—paid also in French)	325 00	
G. O. Smith (Easter Term—paid also in Latin)	325 00	

University College General.—Continued.

Miss C. Tocque, Registrar's Clerk, 12 months to 30 June	$1,100 00	
Miss M. F. Dougall, Stenographer to Language Departments, 12 months' salary	1,000 00	
		$4,000 00
		466,073 58

27. MAIN BUILDING.

Heat and light (supplied from Central Power Plant):		
Gas ($65.05):		
Consumers' Gas Co.	65 05	
Water ($44.56):		
City Treasurer	44 56	
Caretaker's supplies ($556.05):		
Superintendent's Dept., labour, $17.02; material, $539.03	556 05	
Cleaning ($4,590.72):		
Allen Mfg. Co., laundry	10 36	
Veteran Window Cleaners	33 00	
Superintendent's Dept., labour	4,547 36	
Repairs and renewals ($6,487.92):		
Baker Carpet Cleaning Co., cleaning rugs	3 36	
Mitchell & McGill, desk and chair	54 00	
A. Norton, wiring chairs	84 70	
Routery Bros., repairs to plastering	185 00	
University Press, door plates	4 20	
Superintendent's Dept., labour, $4,224.66: material, $1,932.00	6,156 66	
Decorating Croft Chapter House ($1,003.77):		
T. Eaton Co., cork matting	322 20	
Superintendent's Dept., labour, $430.66; material, $250.91	681 57	
	12,748 07	
Less sundry credits	551 53	
	12,196 54	
Caretaker, C. E. Bradshaw, 12 months to 30 June	1,500 00	
Messenger Service:		
At $7.00 to $15.00 per week:		
R. E. Cowling, 52 weeks, 1 day	417 53	
W. Farrell, 3 weeks, 1½ days	22 50	
Miss E. Fox, 52 weeks, 1 day	782 86	
Thos. Lister, 52 weeks, 1 day	469 71	
Messengers' car fares, etc.	35 00	
		15,424 14

28. BIOLOGICAL BUILDING AND DEPARTMENT.

(a) Maintenance of Building:		
Heat and light (supplied from Central Power Plant):		
Gas, city current and occasional fuel ($165.22):		
Consumers' Gas Co.	119 47	
W. H. Cox Coal Co., fuel	45 75	
Water ($69.13):		
City Treasurer	69 13	
Caretaker's supplies ($241.07):		
Superintendent's Dept., labour, $6.74; material, $234.33	241 07	
Cleaning ($1,020.54):		
Allen Mfg. Co., laundry	3 09	
Veteran Window Cleaners	20 00	
Superintendent's Dept., labour,	997 45	
Repairs and renewals ($1,885.97):		
City Treasurer, elevator license	5 00	
Routery Bros., repairs to plaster	53 55	
Superintendent's Dept., labour, $1,327.37; material, $500.05	1,827 42	
	3,381 93	

28. BIOLOGICAL BUILDING AND DEPARTMENT.—*Continued.*

Less credit for cleaning	$10 50	
	3,371 43	
Caretaker, D. J. Clark, 12 months to 30 June (with rooms, heat and light valued at $300	1,200 00	
		$4,571 43
(b) Maintenance of Department:		
Laboratory and Lecture Room supplies ($1,288.93):		
Art Metropole, brushes, etc.	10 66	
W. R. Brock Co., cotton	13 97	
Canadian Industrial Alcohol Co., alcohol	93 00	
Canadian Laboratory Supplies, bottles	10 60	
Dominion Glass Co., bottles	17 02	
T. Eaton Co., plates	8 35	
Eimer & Amend, chemicals	4 45	
Freyseng Cork Co., corks	30 24	
Hudson-Parker, coats	37 08	
Ingram & Bell, scalpels, etc.	13 67	
Lyman Bros. & Co., chemicals	8 15	
McKay School Equipment, tubing	4 21	
McNeil Sales Ltd., box covers	8 00	
Office Specialty Mfg. Co.. cases	265 74	
Pathology, Dept. of., methylated spirits	8 00	
Photography. Dept. of, slides	27 60	
J. G. Ramsey & Co., Ltd., plates	32 13	
J. Frank Raw, Ltd., paper, etc.	71 03	
Richards Glass Co., vials	9 14	
Students' Book Dept., books	50 25	
Whitall, Tatum Co., dishes	71 35	
University Press, printing and stationery	139 90	
Petty items (3)	5 37	
Superintendent's Dept., freight and customs charges, $266.36; labour, $60.13; material, $22.53	349 02	
Museum specimens, supplies and catalogue ($212.88):		
Concilium Bibliographicum, specimens	14 65	
Genera Insectorum, specimens	79 53	
Scientific Materials Co., jars	99 58	
Ward's Natural Science Establishment, pins	4 06	
Wistar Institute of Anatomy and Biology, bibliographic service	5 06	
Superintendent's Dept., labour, $8.64; material, $1.36	10 00	
Marine and Lake Laboratories ($150.00):		
Prof. W. A. Clemens, disbursements:		
Travelling expenses (4 men) to MacDiarmid, $111.00; meals, canoe hire and sundries, $39.00	150 00	
Students' Laboratory supplies ($2,075.85):		
The Art Metropole, paper	6 33	
W. B. Brock Co., cotton, etc.	83 58	
Buffalo Apparatus Corporation, burettes	3 68	
Canadian Laboratory Supplies, bottles	52 07	
D. Clark, worms	7 50	
Wm. Croft & Sons, darners	29 61	
J. Coulter Co., of Toronto, boxes	102 21	
Dennison Mfg. Co., tags	7 23	
Dominion Glass Co., Ltd., jars	3 77	
T. Eaton Co., crocks	39 00	
S. Egan, eggs	30 40	
J. F. Hartz Co., cover glasses, boxes, etc.	504 50	
Geo. M. Hendry Co., bottles	7 06	
Ingram & Bell, dishes, etc.	3 33	
Lyman Bros. & Co., chemicals	52 03	
McNeill Sales Ltd., ink	4 25	
Marine Biological Laboratory, skates, etc.	80 10	
Merck & Co., chemicals	60 00	
Powers & Powers, specimens	16 88	
Richards Glass Co., vials	47 25	

28. BIOLOGICAL BUILDING AND DEPARTMENT.—*Continued.*

Spencer Lens Co., cover glasses		$146 95	
Topley Co., slides, burettes, etc.		145 08	
Toronto Dog & Cat Hospital, animals		179 25	
Ward's Natural Science Establishment, specimens		5 37	
University Press, printing and stationery		394 25	
Petty items (2)		4 00	
Superintendent's Dept., labour, $20.15; material, $40.02		60 17	
Microscopes and apparatus ($799.52):			
Bausch & Lomb Optical Co., lens barrel		14 07	
Haines & White, repairs to microscopes		38 50	
J. F. Hartz Co., oven, etc.		27 88	
Ludwig Hommell & Co., lamps		8 88	
Instruments Ltd., thermometer		25 82	
Spencer Lens Co., microscopes		514 36	
Thermo Electric Instrument Co., ovens		147 63	
Superintendent's Dept., labour		22 38	
Furnishings, fittings and new equipment ($2,479.21):			
Wm. Bartlett & Son, shades and rollers		142 20	
T. Eaton Co. Ltd., linoleum, chairs, towels, etc.		135 18	
Office Specialty Mfg. Co., desk, cabinet, etc.		222 83	
R. Robertson & Sons, concrete floor		65 00	
United Typewriter Co., typewriter		133 65	
Superintendent's Dept., labour, $1,189.85; material, $590.50		1,780 35	
Incidentals ($303.30):			
Allen Mfg. Co., laundry		62 08	
R. Barron Ltd., carrots		5 00	
Prof. B. A. Bensley, disbursements: Laboratory supplies, $31.65; stationery and postage, $17.63; carfares and sundries, $10.72		60 00	
The Bursar, postage supplied		26 90	
Miss M. O. Dowsley, stenographer, 12½ days @ $4.00		50 00	
T. Eaton Co. Ltd., netting, etc.		18 53	
Freyseng Cork Co., corks		4 91	
Grand & Toy Ltd., pencil sharpeners, etc.		8 30	
Toronto Produce Co., fodder		3 40	
United Typewriter Co., inspection, etc.		10 05	
University Press, stationery		46 70	
Petty items (2)		4 56	
Superintendent's Dept., labour, 87c.; material, $2.00		2 87	
Messenger service ($314.50):			
L. Norris, 37 weeks @ $8.50 per week		314 50	
		7,624 19	
Less sundry credits:			
Refund of freight and sales tax	16 18		
Sale of barrel	8 00	24 18	
			7,600 01
			12,171 44

29. DEPARTMENT OF BOTANY.

Apparatus and equipment ($1,508.17):	
Art Metropole, Spencer stand	253 43
Bausch & Lomb Optical Co., repairs, etc.	7 77
Canadian General Electric Co., emeralite	18 48
Canadian Laboratory Supplies, flasks, etc.	7 11
Consolidated Optical Co., repairs to microscopes	9 00
Dale Furniture Co., table	3 39
Geo. M. Hendry Co., presses, etc.	35 28
E. Leitz, eyepiece mirror	8 92
McKay School Equipment Co., tubes, etc.	550 50
Office Specialty Mfg. Co., desk, chair, etc.	248 06
Topley Co., microscope	118 80
Taylor Instrument Co., repairs to clocks	42 00
Petty items (3)	7 45
Superintendent's Dept., freight charges, $83.07; labour, $69.63; material, $45.28	197 98

29. Department of Botany.—*Continued.*

Laboratory and office supplies ($782.18):	
Allen Mfg. Co., laundry	$5 09
The Bursar, postage supplied	36 00
Cambridge Botanical Supply Co., card rules	5 36
G. H. Duff, disbursements:	
Laboratory supplies, $36.94; sundries, $5.59	42 53
Ingram & Bell, chemicals, etc.	150 99
Lake Simcoe Ice Co., ice	18 60
M. S. Markle, slides, etc.	4 14
Hughes, Owens Co. Ltd., paraffin, etc.	44 11
Photography, Dept. of, slides	19 80
Plant Studies Co., specimens	8 79
J. G. Ramsey & Co., plates	7 77
J. A. Simmers, seeds	9 25
Robt. Simpson Co. Ltd., towels	10 20
Students' Book Dept., books	28 40
Topley Co., cement, etc.	4 86
United Typewriter Co., ink, repairs, etc.	18 96
University Press, stationery and printing	238 95
Petty items (7)	13 93
Superintendent's Dept., freight charges, $33.04; labour, 85c.; material, $80.56	114 45
Museum and Herbarium supplies ($495.26):	
Elam Bartholomew, subscriptions, etc.	32 94
Cambridge Botanical Supply Co., specimens	6 75
Geo. M. Hendry Co., maps	6 13
J. S. Lawson, fungi models	75 00
M. S. Markle, slides	30 78
Office Specialty Mfg. Co., filing cabinet, etc.	142 14
J. E. Tilden, subscriptions	98 29
Ward's Natural Science Establishment, specimen	11 48
T. O. Weigel, specimen	8 42
University Press, stationery and printing	50 45
Superintendent's Dept., freight charges, $27.21; labour, $1.00; material, $4.67	32 88
Clerical assistance and assistance in Museum and Herbarium ($1,221.93):	
Miss Hulda Haining, 1 month	100 00
Miss K. M. Millar, 1 month	84 00
Dr. J. H. Faull, reimbursement for sundry clerical assistance	62 10
Miss M. J. Macpherson, 4 weeks	80 00
Miss B. M. Savage, 8 months	895 83
Botanic Garden and Greenhouse supplies, material and labour in connection ($3,523.67):	
Aikenhead Hardware Co., hardware	56 02
L. W. Brownell, slides	11 16
T. Manton, fibre	12 00
New York Botanical Gardens, subscription	10 44
Ontario Lime Co., cement	12 18
Ryder & Sons, seeds	3 84
J. A. Simmers, spray, seeds, etc.	78 44
Prof. R. B. Thomson, disbursements:	
Partial expenses of A. Simpson to Montreal to visit new greenhouse at McGill University, $20.38; rental of car, $18.50; telegrams and carfares, $14.32; museum supplies and sundries, $80.27	133 47
J. Wiley & Sons, journal	3 70
University Press, stationery and printing	6 50
Superintendent's Dept., labour, $55.30; material, $18.45	73 75
Miss H. Haining, 3 months @ $100	300 00
Wm. Hirons, 12 mos. to 30 June @ $24 per week	1,292 00
Wm. Marks, 17 weeks, 6 days, @ $22 per week	392 33
Miss J. McGillicuddy, 8 weeks @ $25	200 00
Miss J. McGugan, 3 months @ $100	300 00
Miss K. M. Millar, 12 weeks @ $21	252 00
Miss O. Monkman, 2 weeks, ½ day, $16 per week	33 34
Miss J. Morton, 20 weeks, 5 days, @ $16 to $18 per week	352 50

29. DEPARTMENT OF BOTANY.—*Continued.*

New Botanic Garden Scheme ($321.39):		
Hart House, sundry meals	$17 00	
Photography, Dept. of paints	5 74	
F. H. Rogers, rent of land on Humber Boulevard, 1920-21, $40.00; ploughing and harrowing, $5.00	45 00	
Prof. R. B. Thomson, disbursements:		
Rent of typewriter @ $5.00 per month, $100.00; rent of car, $94.00; partial expenses of A. Simpson to Montreal, $20.37; laboratory supplies, $16.45; carfares and sundries, $27.78=$258.60; less $25.00 charged to 1920-21	233 60	
University Press, printing	6 35	
Petty items (2)	3 90	
Superintendent's Dept., telephone calls	9 80	
Clerical assistance:		
P. A. Matthews, 10 weeks @ $25	250 00	
Miss J. McGillicuddy, 19 weeks @ $25	475 00	
	8,577 60	
Less Students' Laboratory deposits transferred	97 00	
		$8,480 60

30. CHEMICAL BUILDING AND DEPARTMENT.

(*a*) Maintenance of Building:		
Heat and light (supplied from Central Power Plant):		
Gas ($278.14):		
Consumers' Gas Co.	278 14	
Water ($250.75):		
City Treasurer	250 75	
Caretaker's supplies ($160.71):		
Superintendent's Dept., labour, $2.74; material, $157.97	160 71	
Cleaning ($1,239.77):		
Allen Mfg. Co., laundry	6 37	
Veteran Window Cleaners	15 00	
Superintendent's Dept., labour	1,218.40	
Repairs and renewals ($1,558.72):		
Patterson & Heward, brass signs	44 82	
Superintendent's Dept., labour, $783.76; material, $730.14	1,513 90	
		3,488 09
(*b*) Maintenance of Department:		
Chemistry:		
Chemicals, glassware and apparatus ($4,473.25):		
Wm. Bartlett & Son, lantern screen	20 12	
Bausch & Lomb Optical Co., cube	33 82	
Beaver Flint Glass Co., tubes	131 96	
Beck Bros., rheostats	19 29	
Boeckh Bros., brushes	72 10	
The Bursar, postage supplied	20 00	
Canadian Carbonate Co., gas	7 72	
Canadian General Electric Co., motors	70 05	
Canadian Laboratory Supplies, chemicals and apparatus	879 63	
Consolidated Optical Co., lenses	5 03	
Eastman Kodax Co., chemicals	1,427 72	
T. Eaton Co., towels	100 98	
E. B. Eddy Co., matches	29 38	
Eimer & Amend, thermometers and flasks	174 58	
Gas Processes Ltd., hydrogen	12 73	
Grasselli Chemical Co., chemicals and bottles	488 45	
O. S. James, collection of rare chemicals	9 50	
Lyman Bros. & Co., chemicals	129 10	
H. W. McCurdy, chemicals	43 39	
McKay School Equipment, thermometers	86 24	
Mack Storage Battery Co., batteries	216 30	
Merck & Co., chemicals	299 52	
Prof. W. Lash Miller, disbursements:		
Hardware, tubing, etc., $50.15; chemical and laboratory supplies, $39.40; telegrams and sundries, $19.15	108 70	

30. CHEMICAL BUILDING AND DEPARTMENT.—*Continued.*

Ontario Cork Co., stoppers		$39 97	
Ontario Rubber Co., tubing		32 54	
F. J. Perrin, soap		7 10	
M. Phillips, file		14 40	
Photography, Dept. of, slides		17 40	
Rice Wire & Metal Goods, sieves		11 49	
Richards Glass Co., repairs		19 15	
Ryrie Bros., repairing watch		5 00	
Sheet Metal Products Co., funnels		48 97	
Geo. Sparrow & Co., gas griddles		74 16	
Standard Chemical Co., chemicals		34 27	
Weston Electrical Instrument Co., cell		20 88	
University Press, stationery and printing		705 45	
Petty items (2)		2 90	
Superintendent's Dept., freight, $95.43; labour, $344.27; material, $153.20		592 90	
		6,012 89	
Less received from Students' Account	$1,500 00		
Packard Electric Co., sale of drums	21 46		
Refund of freight, etc.	18 18	1,539 64	
		4,473 25	
Equipment for Analytical Chemistry ($500.00):			
Central Scientific Co., electrolyte outfit, etc.		413 61	
Eimer & Amend, muffle		68 35	
Superintendent's Dept., freight, etc		18 04	
			4,973 25
Physical Chemistry:			
Chemicals, apparatus and maintenance ($470.03):			
Canadian General Electric Co., motors		43 27	
Eastman Kodak Co., filters, etc.		32 17	
W. R. McKee, metre stands, etc.		81 60	
Pyrolectric Instruments Co., furnace		168 11	
Richards Glass Co., tubing		53 60	
Thermal Syndicate Ltd., tubes		6 26	
Petty items (2)		5 31	
Superintendent's Dept., freight, etc., $24.71; labour, $55.00		79 71	
			470 03
Electro-Chemistry:			
Laboratory supplies ($1,436.39):			
Abrasive Co. of Canada, chemicals		12 00	
Baker & Co., crucible		32 96	
J. T. Baker Chemical Co., chemicals		41 07	
Beaver Flint Glass Co., tubes		60 45	
Booth-Coulter Copper & Brass Co., copper		16 84	
Buffalo Apparatus Corporation, stopcocks		24 70	
Canada Metal Co., bronze		9 38	
Canadian General Electric Co., supplies		8 06	
Canadian Kodak Co., chemicals		12 90	
Central Scientific Co., cells, etc.		184 32	
Contractors' Supply Co., fire brick		96 43	
Denver Fire Clay Co., tongs		19 36	
T. Eaton Co., towels		19 30	
Eimer & Amend, cells		70 21	
Eureka Mineral Wool & Asbestos Co., millboard		6 32	
W. R. Fetzer, typewriter rental		5 00	
Harbison-Walker Refractories Co., chemicals		10 04	
L'Air Liquide Society, gas		20 35	
Lake Simcoe Ice Supply Co., ice		12 50	
H. W. McCurdy, chemicals		17 36	
McKay School Equipment, beakers, etc.		182 52	
Prof. W. Lash Miller, disbursements:			
Hardware and laboratory supplies		104 98	
National Carbon Co., electrodes		31 53	
National Drug & Chemical Co., chemicals		19 65	
Norton Co., cement		10 27	

30. Chemical Building and Department.—*Continued.*

Ontario Lime Co., lime	$7 58	
Pilkington Bros., glass	5 44	
E. Pullan, waste	10 82	
Rice Lewis & Son, hose, etc.	13 70	
Richards Glass Co., glassware	29 44	
Rogers Electric Co., battery switch	8 83	
Sovereign Cut Glass Co., glass parts	5 23	
Toronto Hydro-Electric System, service	7 23	
W. S. Tyler, copper	10 44	
University of Toronto Engineering Society, paper	78 88	
A. Watson, bicycle parts	10 50	
Will Corporation, tubes	14 95	
University Press, printing	5 85	
Petty items (4)	11 69	
Superintendent's Dept., freight, $36.43; labour, $115.38; material, $35.50	187 31	
Apparatus ($1,327.61):		
Buffalo Apparatus Corporation, stopcocks, etc.	119 56	
Canadian Asbestos Co., crucibles	8 67	
Canadian General Electric Co., switches, etc	46 51	
Eimer & Amend, electrometers	89 65	
Hedges Bros., sheet iron	15 45	
L'Air Liquide Society, cylinder	23 37	
W. R. McKee, repairs to meters, etc.	197 02	
Marconi Wireless Telegraph Co., receivers	31 20	
Chas. Potter, telescopes	92 00	
Pyrolectric Instruments Co., condensers	523 76	
Rice Lewis & Son, hardware	48 05	
Superintendent's Dept., freight, etc., $49.09; labour, $37.26; material, $46.02	132 37	
Fitting up Laboratories ($4,546.24):		
Booth-Coulter Copper & Brass Co., brass	15 36	
J. A. Cook & Sons, files	8 00	
Falls Equipment Co., push buttons	8 36	
Gutta Percha & Rubber Ltd., tubing	37 02	
Office Specialty Mfg. Co., cabinet and guides	81 93	
Pyrolectric Instrument Co., furnace	41 15	
T. G. Rice Wire Mfg. Co., wire guard	36 05	
Superintendent's Dept., freight, etc., $4.89; labour, $2,576.83; material, $1,736.65	4,318 37	
Laboratory Cleaning ($35.75):		
J. O'Connor, cleaning apparatus	15 40	
Superintendent's Dept., labour	20 35	
		$7,345 99
		16,277 36

31. Physics Building and Department.

(a) Maintenance of Building:		
Heat and light (supplied from Central Power Plant):		
Gas ($230.42):		
Consumers' Gas Co.	230 42	
Water ($857.47):		
City Treasurer	857 47	
Caretakers's supplies ($157.46):		
Superintendent's Dept., labour, $9.33; material, $148.13	157 46	
Cleaning ($1,350.65):		
Canadian Cleaning Co., cleaning windows	45 40	
Superintendent's Dept., labour	1,305 25	
Repairs and renewals ($2,299.21):		
City Treasurer, elevator license	5 00	
Otis-Fenson Elevator Co., adjusting machinery	61 13	
Patterson & Heward, brass sign	29 50	
Superintendent's Dept., labour, $1,606.79; material, $596.79	2,203 58	
	4,895 21	

31. PHYSICS BUILDING AND DEPARTMENT.—*Continued.*

Less sundry credits, cleaning, etc.	$48 25	
	4,846 96	
Caretaker, J. Wicksey, 12 mos. to 30 June	1,400 00	
		$6,246 96
(b) Maintenance of Department:		
Laboratory and workshop supplies ($6,430.69):		
Aikenhead Hardware Ltd., hardware	234 37	
Allen Mfg. Co., laundry	12 94	
Art Metropole, paper	27 77	
Baird & Tatlock (London) Ltd., beakers, thermometers, etc.	853 44	
Bausch & Lomb Optical Co., lenses	21 10	
Beardmore Belting Co., leather	6 38	
Booth-Coulter Copper & Brass Co., copper	5 43	
Brown's Copper & Brass Rolling Mills, rods	170 46	
The Bursar. postage supplied	42 00	
Prof. E. F. Burton, disbursements: Laboratory supplies, $25.03; carfares, $9.75; sundries, $6.17	40 95	
Canada Metal Co., castings	45 31	
Canada Wire & Cable Co., wire	56 80	
Canadian Carbonate Co., gas	7 31	
Canadian Kodak Co., glass	28 82	
Canadian Laboratory Supplies, chemicals	6 85	
Canadian National Carbon Co., cells	65 41	
Cartan Plating Co., heater	4 77	
Corning Glass Works, glass	99 05	
A. C. Cossor Ltd., bulbs, tubes, etc.	160 10	
Cotton & Johnson, lapidary machine	214 68	
Dept. of the Secretary of State. Ottawa, account of Gunther & Tegetmeyer for repairs	34 80	
Eastman Kodak Co., filters	42 23	
T. Eaton Co., towels, stationery, etc.	148 35	
E. B. Eddy Co., matches	17 00	
Egyptian Lacquer Mfg. Co., lacquers	7 59	
Eimer & Amend, carbons	16 07	
A. Gallenkamp & Co., resistance boxes	75 97	
Wm. & J. G. Greey, zinc	11 70	
Jas. R. Gregory & Co., chemicals	108 78	
Gutta Percha & Rubber Ltd., rubber	8 43	
Geo. M. Hendry Co., filter paper	9 65	
Adam Hilger Ltd., plates, tubes, etc.	599 44	
Hopkins & Williams Ltd., chemicals	187 35	
Imperial Foundry Co., castings	34 02	
Imperial Oil Co., oil	25 25	
International General Electric Co., wire	23 65	
Wm. Jessop & Sons Ltd., steel	6 11	
F. G. Kettle, boxes	40 08	
Kimble Glass Co., tubing	156 53	
L'Air Liquide Society, oxygen	29 78	
Lake Simcoe Ice Supply Co., ice	36 00	
E. Leybold's Nachfolger, cells	39 52	
Lyman Bros. & Co., chemicals	92 41	
N. MacDonald. powder	17 27	
McKay School Equipment, balances, etc.	183 97	
W. R. McKee, repairs	26 12	
Geo. A. Matthews, repairs to armature	20 00	
Merck & Co., chemicals	71 15	
Negretti & Zambra, thermometers	238 16	
New Method Laundry, laundry	6 97	
Ontario Rubber Co., tubing	44 46	
Pathology, Dept. of, alcohol	8 00	
Peckover's Ltd., steel	32 26	
Photography, Dept. of, prints	9 20	
Pratt & Whitney Co., carbon	4 73	

PHYSICS BUILDING AND DEPARTMENT.—*Continued.*

W. G. Pye & Co., lenses, clocks, etc.	$574 00	
Queen City Glass Co., glass	4 90	
J. G. Ramsey & Co., plates	99 87	
Science Press, reprints	8 37	
Scientific Materials Co., valves	9 50	
Taylor Instrument Co., repairs to instruments	28 00	
United Typewriter Co., inspection	15 75	
Ward Leonard Electric Co., resistance units	44 42	
Zenith Mfg. Co., resistances	119 96	
University Press, printing and stationery	385 10	
Petty items (20)	56 28	
Superintendent's Dept., freight and customs charges, $135.33; labour, $82.88; material, $349.39	567 60	
Apparatus ($3,251.52):		
Art Metropole, delinescope, etc.	83 96	
Bausch & Lomb Optical Co., balopticon	132 84	
Bellingham & Stanley, polarimeter, etc.	161 70	
Cambridge & Paul Instrument Co., galvanometers, etc.	510 16	
Canadian General Electric Co., motor	28 35	
Hart Battery Co., batteries	80 34	
Geo. M. Hendry Co., balances	122 50	
Adam Hilger Ltd., refractometer, etc.	514 00	
Mrs. J. A. Kammerer, voltmeter	65 00	
L'Air Liquide Society, cooler	571 94	
Ernest Leitz, microscope	208 08	
L. Oertling Ltd., balances	164 18	
W. G. Pye & Co., galvanometer, etc.	216 00	
Weston Electrical Instrument Co., instruments	263 64	
A. R. Williams Machinery Co., pump, wrenches, etc.	39 80	
Superintendent's Dept., freight, etc., $79.03; labour, $6.83; material, $3.17	89 03	
Experimental tables, cases, books, charts, etc. ($987.28):		
Richard G. Kirby, tables	308 00	
MacMillan Co., subscriptions	12 75	
Richard Muller-Uri, screens	86 93	
Office Specialty Mfg. Co., cabinet, etc.	73 91	
Photography, Dept. of, prints	11 55	
Students' Book Dept., books	15 60	
Tablet & Ticket Co., boxes	13 32	
University Press, printing and stationery	55 15	
Petty items (3)	6 89	
Superintendent's Dept., labour, $250.78; material, $152.40	403 18	
Workshop assistance ($1,446.97):		
J. Collins, 40 weeks, 1 day @ $10 per week	400 83	
H. J. Franklin, 2 weeks, 1 dayy @ $32 per week, $69.30; 148½ hours @ 80c. $118.80	188 10	
C. A. Peachy, 52 weeks, 1 day @ $17 per week, $886.84; less charged to University Extension, $28.80	858 04	
Special Lectures ($446.80):		
Prof. H. A. Lorentz, honorarium	408 80	
Mrs. S. J. V. Stephenson, board for Prof. Lorentz	38 00	
	12,563 26	
Less sundry credits, damages, freight refunds, etc.	93 18	
		12,470 08
		18,717 04

32. SUB-DEPARTMENT OF ASTRONOMY.

Maintenance ($347.66):		
Mrs. H. M. Hopper, slides	$9 50	
Mt. Wilson Observatory, slides	3 15	
Planet Bicycle Co., enamelling stand	4 00	
Photography, Dept. of, slides	28 30	
J. G. Ramsey & Co., paper	3 45	
A. H. Young, frame	21 15	
University Press, printing and stationery	135 75	
Petty items (3)	4 59	
Superintendent's Dept., freight, etc., $52.72; labour, $51.44; material, $33.61	137 77	
Apparatus ($555.88):		
H. Bakewell, repairs to clock	3 50	
J. A. Brashear Co., camera lens, $569.42; less paid in 1920-21, $268.77	300 65	
Century Telephone Construction Co., transformer	7 38	
T. Cooke & Sons, Ltd., instrument part	1 80	
T. Eaton Co., magnavox	62 50	
Max Kohl, absorption boxes	36 19	
Lockhart's Camera Exchange, plates	44 40	
Marconi Wireless Telegraph Co., valves	22 50	
Carl Zeiss, telescope	38 32	
Superintendent's Dept., freight, etc., $26.56; labour, $9.53; material, $2.55	38 64	
	903 54	
Less credit—insurance claim	40 00	
		$863 54

33. GEOLOGICAL DEPARTMENT.

Maintenance ($887.92):		
Bausch & Lomb Optical Co., lenses	13 81	
Dept. of Mines, Toronto, bulletins	59 38	
Ingram & Bell, slides	10 55	
McKay School Equipment, tubing, crucibles, etc.	300 02	
Office Specialty Mfg. Co., cabinet	76 22	
Prof. W. A. Parks, disbursements:		
Car expenses, $23.07; laboratory supplies, $8.75; $31.82; less credit for use of car, $6.00	25 82	
Photography, Dept. of, slides	59 84	
Provincial Treasurer, auto license	13 00	
Students' Book Dept., books	23 50	
C. Tarling Map Mounting Co., maps	4 98	
University Press, printing and stationery	93 95	
Petty items (5)	15 88	
Superintendent's Dept., freight, etc., $8.82; labour, $93.71; material, $88.44	190 97	
Artists' Services ($395.00):		
Miss E. Logier, drawings	340 00	
G. R. Workman, drawings	55 00	
	1,282 92	
Less credits for breakages, etc.	16 32	
		1.266 60

34. MINERALOGICAL DEPARTMENT.

Maintenance, supplies and apparatus ($1,507.04):		
Allen Mfg. Co., laundry	4 99	
Bausch & Lomb Optical Co., wedges, etc.	85 60	
Canadian Laboratory Supplies, chemicals	88 22	
Chemical Engineering Dept., glass-blowing	20 00	
Driver-Harris Co., wire	5 23	
Eimer & Amend, wire and chemicals	61 53	
A. D. Gorrie & Co., castings	10 15	
Ingram & Bell, bottles	17 10	

34. Mineralogical Department.—*Continued.*

E. Leitz, microscope (on account)	$20 26	
Lyman Bros. & Co., charcoal blocks, etc.	49 29	
Mineralogical Society of America, reprints	41 22	
P. Stoe, specimens	6 02	
Jas. Swift & Son, microscopes, etc.	814 91	
Voigt & Hochgesang, specimens	57 14	
Prof. T. L. Walker, paid for laboratory supplies and sundries,	34 04	
Ward's Natural Science Establishment, specimens	61 90	
University Press, stationery and printing	28 50	
Petty items (6)	14 80	
Superintendent's Dept., freight, etc., $93.23; labour, $22.92; material, $12.97	129 12	
	1,550 02	
Less credit for breakages, etc.	42 98	
		$1,507 04

35. Philosophical and Psychological Departments.

(a) Philosophy:		
Incidental expenses ($15.00):		
University Press, stationery	15 00	
		15 00
(b) Psychology:		
Maintenance ($598.12):		
Prof. G. S. Brett, disbursements:		
Laboratory supplies, $22.42; postage, car fares and sundries, $23.68	46 10	
British Aluminum Co., rod, etc.	5 49	
Canadian National Institute for the Blind, paper, etc.	6 10	
Canadian Storage Battery Co., recharging cell	10 00	
T. Eaton Co., Ltd., tables, etc.	42 47	
Ellis Bros. Ltd., repairs to watches	16 00	
Grand & Toy, stationery	6 65	
Hardware C. of Toronto, hardware	11 95	
Geo. M. Hendry Co., thermometers	29 18	
Lockhart's Camera Exchange, plates	16 25	
Northern Electric Co., condensers, etc.	11 98	
Pilkington Bros., glass	5 30	
C. H. Stoeling Co., watch, etc.	57 98	
Students' Book Dept., ruling	31 70	
University Press, printing and stationery	146 45	
Petty items (12)	33 93	
Superintendent's Dept., freight, etc., $22.80; labour, $3.87; material, $93.92	120 59	
Apparatus and equipment ($586.26):		
Canadian General Electric Co., meter, etc.	60 04	
Central Scientific Co., binding post	15 22	
Eastman Kodak Co., wedge	4 84	
T. Eaton Co. Ltd., tables, etc.	24 00	
Edison Swan Electric Co., Ltd., lamps	25 55	
Geo. E. Grove, wheels	9 00	
Hardware Co. of Toronto, aluminum	9 40	
Harvard Apparatus Co., magnets, etc.	53 38	
Imperial Optical Co., binocular	18 75	
Chas. F. Lorenz, tonoscope	252 99	
Lyman Bros. & Co., scale	38 68	
Rice, Lewis & Son, revolver	14 58	
C. H. Stoelting Co., watch, etc.	57 98	
Superintendent's Dept., freight, $6.17; material, $8.98	15 15	
Clerical assistance ($226.00):		
Mrs. W. Mussen, 37 weeks, 5 days @ $6.00 per week	226 00	
Laboratory cleaning ($101.00):		
H. Leat, 33 2/3 weeks @ $3.00	101 00	
E. Leitz, microscope (on account)	20 26	

35. PHILOSOPHICAL AND PSYCHOLOGICAL DEPARTMENTS.—*Continued.*

Alterations in Laboratory ($199.94):		
Superintendent's Dept., labour, $145.20; material, $54.74	$199 94	
	1,711 32	
Less credit for breakage claim	11 30	
		$1,700 02
		1,715 02

36. MATHEMATICAL DEPARTMENT

Class-room supplies ($41.98):		
Lowe-Martin Co., cards	5 18	
University Press, stationery	36 80	
		41 98

37. SUB-DEPARTMENT OF MECHANICS.

Supplies ($141.97):		
Hardware Co., of Toronto, hardware	40 44	
Prof. W. J. Loudon, petty disbursements	3 55	
Students' Book Dept., books and stationery	35 70	
University Press, stationery	23 95	
Superintendent's Dept., insurance, 45c. ; labour, $10.31; material, $27.57	38 33	
Apparatus ($77.91):		
Hardware Co. of Toronto, hardware	32 30	
Taylor Instrument Companies, thermometers	11 17	
Superintendent's Dept., labour, $18.98; material, $15.46	34 44	
		219 88

38. POLITICAL SCIENCE BUILDINGS AND DEPARTMENT.

(a) Maintenance of Buildings:		
Fuel ($1,523.67):		
Britnell Contracting Co., teaming	102 90	
W. H. Cox Coal Co., fuel	1,420 77	
Gas ($32.00):		
Consumers' Gas Co.	32 00	
Water ($56.60):		
City Treasurer	56 60	
Caretaker's supplies ($59.06):		
Superintendent's Dept., material	59 06	
Cleaning ($527.55):		
Canadian Cleaning Co., cleaning windows	5 65	
Superintendent's Dept., labour	521 90	
Repairs and renewals ($308.00):		
Routery Bros., plastering	9 00	
University Press, name plates	1 30	
Superintendent's Dept., labour, $156.30; material, $141.40	297 70	
Alterations and equipment ($4,822.25):		
Adams Furniture Co., chairs	18 00	
McKay School Equipment, desks	697 10	
Mitchell & McGill, desks and chairs	232 00	
A. Norton, wiring chairs	6 00	
Routery Bros., lathing and plastering	132 30	
Superintendent's Dept., labour, $1,791.72; material, $1,945.13	3,736 85	
	7,329 13	
Less sundry credits, cleaning, etc.	71 50	
		7,257 63

38. POLITICAL SCIENCE BUILDINGS AND DEPARTMENT.—*Continued.*

(*b*) Maintenance of Department:		
Office and classroom supplies ($128.41):		
The Bursar, postage supplied	$10 00	
C. W. Mack, stamp	1 14	
United Typewriter Co., inspection	4 50	
University of Toronto Engineering Society, rule	10 00	
University Press, printing and stationery	102 77	
Clerical Assistance ($348.75):		
Miss H. MacDonell, 697½ hours @ 50c.	348 75	
		477 16
		$7,734 79

39. HISTORY.

Class-room supplies ($318.01):		
Mitchell & McGill, desk	59 00	
Noiseless Typewriter Sales Co., typewriter and inspection	178 91	
Photography, Dept. of, lantern operator	1 00	
University Press, printing and stationery	79 10	
Clerical assistance ($358.00):		
Miss Ailsa MacIver, 32 weeks, 3 days @ $11.00 per week	358 00	
		676 01

40. ITALIAN AND SPANISH.

Class-room supplies ($34.00):		
Photography, Dept. of, slides	27 40	
Students' Book Dept., books	3 25	
University Press, printing	3 35	
		34 00

41. UNIVERSITY COLLEGE DEPARTMENTS.

Greek:

(Nothing spent).

Latin:

(Nothing spent).

Ancient History ($40.25):		
Students' Book Dept., map	3 25	
University Press, printing and stationery	29 95	
Superintendent's Dept., labour, $6.03; material, $1.02	7 05	
English ($16.25):		
University Press, stationery	16 25	
French ($141.30):		
Quality Music Store, records	3 00	
Mrs. G. E. Shaw, records	8 00	
Students' Book Dept., books	51 85	
University Press, printing and stationery	78 45	
German ($60.00):		
Geo. M. Hendry Co., maps, etc.	58 80	
University Press, stationery	1 20	
Orientals ($41.63):		
Office Specialty Mfg. Co., card cabinet	15 68	
Oxford University Press, cards	2 35	
Students' Book Dept., books	11 30	
University Press, printing and stationery	10 30	
Superintendent's Dept., labour, $1.80; material, 20c.	2 00	
Ethics ($33.30):		
Miss C. Tocque, typing	27 00	
University Press, stationery	6 30	
		332 73

42. UNIVERSITY COLLEGE GENERAL EXPENSES.

Stationery, printing and incidentals ($257.65):		
Wm. Bartlett & Son, screen	$6 00	
The Bursar, postage supplied	40 00	
Munson Supply Co., typewriter keys	10 00	
Students' Book Dept., stationery	5 50	
Toronto Weekly Railway & Steamboat Guide, subscription	7 50	
United Typewriter Co., inspection	5 25	
University Press, printing and stationery	183 40	
		$257 65

43. TRINITY COLLEGE SERVICE.

The Bursar, Trinity College, students' carfares for transportation to University lectures	1,390 73
	553,184 13

III. FACULTY OF MEDICINE.

44. SALARIES

	Charged to Eaton and Rockefeller Funds	Charged to Revenue
A. Primrose, Dean, 12 mos. to 30 June, (paid also $1,000 as Professor)	....	$1,500 00
J. J. R. Macleod, Associate Dean, 12 mos. to 30 June (paid also $6000 as Professor)	....	1,500 00
		3,000 00

Anatomy.

J. P. McMurrich, Professor, 12 mos. to 30 June (paid also $300 for Special Lectures, and $300 as Chairman of Board of Graduate Studies)	....	6,000 00
J. C. Watt, Assistant Professor, 12 mos. to 30 June	....	3,500 00
H. A. Cates, Demonstrator (Sessional)	....	1,000 00
Assistants (Sessional):		
R. O. Fisher	....	150 00
A. S. Lawson	....	150 00
K. G. McKenzie	....	150 00
E. E. Shouldice (paid also in Surgery)	....	150 00
F. W. Weston	....	150 00
L. C. Palmer	....	100 00
L. A. Pequegnat (paid also in Biology)	....	100 00
P. D. Spohn (paid also in Biology)	....	100 00
E. A. McCullough	....	100 00
L. B. Robertson (paid also in Surgery)	....	100 00
H. B. Van Wyck (paid also in Obstetrics & Gynæcology)	....	100 00
H. W. Wookey (paid also in Surgery)	....	50 00
Miss G. Dowsley, Technical and Clerical Assistant, 12 mos. to 30 June	....	600 00
G. Lynne, Laboratory Assistant and Caretaker, 12 mos. to 30 June	....	1,500 00
H. McCormick, Laboratory Attendant, 12 mos. to 30 June	....	1,456 00
		15,456 00

Pathology and Bacteriology.

J. J. Mackenzie, Professor, 12 mos. to 30 June (absent on sick leave)	....	6,000 00
H. B. Maitland, Assistant Professor, 12 mos. to 30 June (paid from Rockefeller Fund)	300 00	2,700 00

44. Salaries.—*Continued.*

	Charged to Eaton and Rockefeller Funds.	Charged to Revenue.
J. B. Collip, Assistant Professor, Pathological Chemistry (paid also in that Department—paid from Rockefeller Fund)	$500 00	
Lecturers (Sessional—paid from Rockefeller Fund):		
W. Magner (at St. Michael's Hospital)	1,800 00	
W. L. Robinson, Surgical Pathology (also Curator of Museum)	1,800 00	
Fellows (Sessional):		
G. C. Cameron		$1,000 00
S. L. E. Danby		1,000 00
G. H. Eagles		1,000 00
J. A. Linton		1,000 00
Assistants (Sessional):		
I. H. Erb		150 00
G. F. Laughlin		100 00
A. McKay		100 00
G. R. Philp		100 00
Miss Violet Gillett, Artist, 9 months' salary, part time (paid from Rockefeller Fund—paid also $900 from Special Research)	300 00	
F. Payne, Preparator, 12 September 31 December @ $80 per month, $295.36; 1 January to 30 June @ $90 per month, $535.31 (paid from Rockefeller Fund)	830 67	
F. Thibault, Technician, 12 mos. to 30 June		1,300 00
A. Wilson, Laboratory Assistant, 12 mos. to 30 June (paid also $750 as Caretaker of Pathological Building)		600 00
Laboratory attendants for preparing media:		
Miss E. A. Gordon, 11 months @ $80		880 00
A. Myers, 12 months' salary		600 00
Miss H. Moore, 28 November to 30 June @ $25 per month		177 50
Miss I. E. Ruttan, Stenographer, 12 mos. to 30 June		1,100 00
	5,530 67	17,807 50

Pathological Chemistry.

V. J. Harding, Professor, 12 mos. to 30 June		4,800 00
J. B. Collip, Assistant Professor, 12 mos. to 30 June (resigned—paid also in Pathology)		2,750 00
O. H. Gaebler, Senior Fellow (Sessional)		1,200 00
Fellows (Sessional):		
T. G. H. Drake		1,000 00
W. S. Quint		500 00
D. H. Boddington, Demonstrator (Sessional)		500 00
Laboratory Assistants, each 12 mos. to 30 June:		
T. Richardson		1,100 00
L. Sutton		710 00
Mrs. M. Davis, Laboratory Attendant, 12 mos. to 30 June (part time)		300 00
Mrs. D. M. Palmer, Secretarial Assistant, 1 October to 30 June @ $70 per month (paid from Rockefeller Fund)	630 00	
	630 00	12,860 00

Pharmacy and Pharmacology.

V. E. Henderson, Professor, 12 mos. to 30 June		5,000 00
N. C. Sharpe, Assistant Professor, 3 mos. @ $2.50; 9 mos. (part time) @ $42		1,128 00
F. G. Banting, Special Lecturer, Pharmacology (Sessional—also $150 in Special Research)		2,250 00
F. W. W. Hipwell, Assistant, Pharmacology (Sessional)		225 00
Assistants, Pharmacy (Sessional):		
J. A. Macdonald		375 00
Miss D. Birkett		100 00
J. C. Hallamore		75 00
N. S. Clark, Temporary Fellow (paid also $200 in Spec. Res.)		200 00
A. Brock, Laboratory Assistant, 12 mos. to 30 June		1,300 00

44. Salaries.—*Continued.*

	Charged to Eaton and Rockefeller Funds.	Charged to Revenue.
Laboratory Attendants:		
S. H. Lloyd, 9½ months to 15 April @ $75 per month of which half charged to Bio-Chemistry	....	$356 25
J. Brickles, 8 May to 30 June @ $50 per month, of which half charged to Bio-Chemistry	....	44 35
Miss J. Deas, Clerical Assistant, 12 months' salary, $1,050; Class Assistant, $100	....	1,150 00
	....	12,203 60

Bio-Chemistry.

	Charged to Eaton and Rockefeller Funds.	Charged to Revenue.
Andrew Hunter Professor, 12 mos. to 30 June	....	6,000 00
Associate Professors, each 12 mos. to 30 June:		
H. B. Speakman, Zymology (without salary—paid in Special Research)	....	....
H. Wasteneys (paid also $100 for Special Lectures)	....	4,200 00
Miss J. McFarlane, Demonstrator (Sessional)	....	1,500 00
Fellows (Sessional):		
H. Borsook	....	800 00
J. A. Morrell (paid also $100 in Special Research)	....	800 00
R. G. Smith	....	800 00
L. A. Weissgerber	....	500 00
J. W. Fletcher, Technician, 12 mos. to 30 June	....	1,200 00
A. E. Giddens, Laboratory Assistant, 12 mos. to 30 June......	....	1,000 00
Miss M. Delamere, Secretarial Assistant, 12 months' salary	....	1,000 00
Laboratory Attendants:		
L. Sloan, 12 months' salary	....	720 00
S. H. Lloyd, 9½ mos. to 15 April @ $75 per month, of which half charged to Pharmacology	....	356 25
J. Brickles, 8 May to 30 June @ $50 per month, of which half charged to Pharmacology	....	44 35
	....	18,920 60

Physiology.

	Charged to Eaton and Rockefeller Funds.	Charged to Revenue.
J. J. R. Macleod, Professor, 12 mos. to 30 June (paid also $1,500 as Associate Dean)	....	6,000 00
J. M. D. Olmsted, Assistant Professor, 12 mos to 30 June....	....	3,375 00
N. B. Taylor, Lecturer, also for Veterinary students (Sessional—$500 paid from Rockefeller Fund)	500 00	3,250 00
Demonstrators (Sessional):		
W. P. Warner	....	1,000 00
J. W. MacArthur, General Physiology (part time—paid also in Biology)	....	250 00
Fellows (Sessional):		
C. H. Best (paid also $170 in Special Research)	....	800 00
Miss J. Lang	....	800 00
E. C. Noble (paid also $50 in Special Research)	....	800 00
J. K. Latchford (paid also $400 in Psychology and $100 in Special Research)	....	400 00
Miss C. J. Fraser	....	300 00
S. U. Page (paid also $185 in Special Research)	....	150 00
Miss M. Grange, Librarian, 12 months' salary	....	900 00
Miss M. E. Armour, Assistant and Secretary, 12 months' salary (part time)	....	600 00
Mechanicians:		
E. Brock, 26 weeks, 2 days, @ $27.70 per week (resigned)	....	728 10
A. Oxley, 2 mos. from 1 January @ $110 per month; 4 mos. from 1 March @ $120	....	700 00
F. L. Robinson, Laboratory Assistant and Glass-blower, 12 mos. to 30 June ($200 paid from Rockefeller Fund)..	200 00	1,600 00
J. Creasy, Laboratory Assistant, 12 months' salary	....	900 00
W. Joyce, Animal caretaker, 12 months' salary	....	1,050 00
A. Lamb, Assistant to Animal caretaker, 3 October to 30 June @ $15 per week	....	562 85
Mrs. Rachel Green, Laboratory Cleaner, 10 weeks, 2 days @ $7.50 per week	....	77 15
	700 00	24,243 10

44. Salaries.—*Continued.*

	Charged to Eaton and Rockefeller Funds.	Charged to Revenue.
Hygiene.		
J. G. Fitzgerald, Professor, 12 mos. to 30 June (paid also in Connaught Antitoxin Laboratories	....	$4,000 00
Assistant Professors, each 12 mos. to 30 June:		
R. D. Defries (paid also in Connaught Antitoxin Laboratories)	....	1,000 00
D. T. Fraser, Hygiene and Preventive Medicine, (paid also in Connaught Antitoxin Laboratories)	....	3,000 00
Demonstrators (Sessional—part time):		
P. J. Moloney (paid also in Connaught Antitoxin Laboratories)	....	500 00
J. G. Cunningham, Industrial Hygiene	....	500 00
H. M. Lancaster, Sanitary Chemistry (paid also in Chemical Engineering)	....	500 00
Miss B. K. E. Mossop, Technical Assistant (Sessional)	....	1,000 00
Miss M. T. Allen, Secretarial Assistant, 12 months' salary	....	1,000 00
Cleaners @ $7.50 per week (part time):		
Mrs. M. McNeill, 32 weeks, $240; overtime—42 half days @ $1.25, $52.50	....	292 50
Mrs. M. Banfield, 2½ weeks	....	18 75
Mrs. A. W. Riddell, 4 weeks, 2 days, $32.50; overtime—6 half days @ $1.25, $7.50	....	40 00
	....	11,851 25
Medicine and Clinical Medicine.		
Duncan Graham, Professor, 12 mos. to 30 June	$10,000 00	
Associate Professors, each 12 mos. to 30 June:		
J. T. Fotheringham	700 00	
W. B. Thistle	600 00	
G. Chambers	450 00	
W. Goldie	350 00	
H. B. Anderson (without salary)	....	
Clinicians (Annual):		
R. G. Armour	2,500 00	
W. R. Campbell	2,500 00	
H. K. Detweiler	2,500 00	
R. Hodge, 6 mos. @ $1,500 per annum; 6 mos. @ $2,000	1,750 00	
R. Jamieson	1,500 00	
H. A. Dixon, 7 mos. from December 1st @ $1,500 per annum (paid from Rockefeller Fund)	875 00	
Clinicians (Sessional—part time):		
G. S. Young } paid from Rockefeller Fund	500 00	
G. S. Strathy } paid from Rockefeller Fund	500 00	
G. W. Howland	300 00	
J. A. Oille	300 00	
D. King Smith	300 00	
A. W. Canfield, Paediatrics	250 00	
F. A. Clarkson	250 00	
J. H. Elliott	250 00	
J. D. Loudon	250 00	
H. C. Parsons	250 00	
G. F. Boyer	200 00	
A. H. Caulfield	200 00	
E. E. Cleaver	200 00	
A. A. Fletcher	200 00	
A. M. Goulding	200 00	
N. Gwyn	200 00	
B. Hannah	200 00	
H. S. Hutchison	200 00	
A. J. Mackenzie	200 00	
A. G. McPhedran (paid also in Biology)	200 00	
J. H. McPhedran	200 00	
W. F. McPhedran	200 00	
E. A. Morgan	200 00	
L. Murray	200 00	
W. Ogden	200 00	
T. J. Page	200 00	

44. Salaries.—*Continued.*

	Charged to Eaton and Rockefeller Funds.	Charged to Revenue
G. Pirie	$200 00	
C. A. Rae	200 00	
F. W. Rolph	200 00	
C. Sheard, Jr.	200 00	
G. E. Smith	200 00	
E. J. Trow	200 00	
Demonstrators, Clinical Microscopy (Sessional):		
G. W. Lougheed	250 00	
A. B. Moffat, Assistant	200 00	
Technicians:		
Miss R. E. Ratz, Chemistry, 12 months' salary	1,200 00	
Miss N. R. Hearn, 6 mos. from January 1st @ $85 per month (paid from Rockefeller Fund)	510 00	
Miss P. Denne, Bacteriology, 3 mos. to September 30th @ $90 per month	270 00	
C. G. Dix, Bacteriology, 12 months' salary	900 00	
Secretarial Assistants:		
Miss M. Harvie, 11 mos. to May 31st (resigned) @ $1,080 per annum	990 00	
Miss S. Clutton, 1 month @ $900 per annum	75 00	
Sub-Department of Paediatrics:		
Alan Brown, Associate Professor, 12 mos. to June 30th	350 00	
Clinicians, Medicine (Sessional):		
F. F. Tisdall, 7 mos. from December 1st @ $2,000 per annum (paid from Rockefeller Fund)	1,166 66	
A. P. Hart	200 00	
R. Simpson	150 00	
Chemists (Annual):		
Miss A. M. Courtney	2,500 00	
Miss I. F. MacLachlan, Assistant	1,800 00	
Gladys L. Boyd, Research Fellow, 12 months' salary	1,200 00	
	$43,036 66	
(Eaton Endowment, $26,485.00; Rockefeller Fund, $3,551.66)	$30,036 66	
		$13,000 00

Surgery and Clinical Surgery.

Professors, each 12 mos. to 30 June:		
Clarence L Starr	$10,000 00	
A. Primrose (paid also as Dean)	1,000 00	
H. A. Bruce	700 00	
Associate Professors, each 12 mos. to 30 June:		
G. A. Bingham (obit. 1st March) stipend paid to widow	700 00	
F. N. G. Starr	700 00	
W. McKeown	700 00	
S. M. Hay	450 00	
Associates, each 12 mos. to 30 June:		
C. B. Shuttleworth	300 00	
G. Silverthorne (paid also $700 as Professor of Medical Jurisprudence	300 00	
E. S. Ryerson (paid from Secretary's Office)	......	
W. E. Gallie	300 00	
W. W. Jones	300 00	
Wallace A. Scott	300 00	
Demonstrators, each 9 mos. from 1 October:		
R. I. Harris	1,800 00	
H. W. Wookey (paid also $50 in Anatomy)	1,800 00	
J. C. McClelland	1,350 00	
G. E. Wilson	375 00	
R. Janes, Fellow, 6 mos. from 1 January @ $1,000 per annum	500 00	
Demonstrators, Clinical Surgery (Sessional):		
M. H. V. Cameron	250 00	
F. A. Cleland	250 00	

44. SALARIES.—*Continued.*

	Charged to Eaton and Rockefeller Funds.	Charged to Revenue.
R. E. Gaby (paid also in Anatomy)	$250 00	
O. R. Mabee	250 00	
A. H. Perfect	250 00	
D. E. Robertson	250 00	
N. S. Shenstone	250 00	
A. B. Wright	250 00	
Assistants (Sessional):		
R. R. Graham	150 00	
C. H. Hair	150 00	
C. B. Parker	150 00	
Robin Pearse	150 00	
L. B. Robertson (paid also in Anatomy)	150 00	
H. E. Clutterbuck	100 00	
T. A. J. Duff	100 00	
G. C. McIntyre	100 00	
Temporary Assistants (Sessional):		
W. A. Costain	50 00	
A. B. LeMesurier	50 00	
R. A. McComb	50 00	
T. A. Robinson	50 00	
E. E. Shouldice (paid also in Anatomy)	50 00	
R. H. Thomas	50 00	
J. H. Wood	50 00	
Secretary and Stenographer @ $75 per month:		
Miss G. B. Gauley, 26 September to 31 December (resigned)	237 50	
Miss R. Ross, 9 January to 30 June	430 65	
	25,643 15	
	12,743 15	$12,900 00
Obstetrics and Gynæcology.		
B. P. Watson, Professor, 12 mos. to 30 June (resigned)	$	$ 1,000 00
Associate Professors, each 12 mos. to 30 June:		
W. B. Hendry (paid from Rockefeller Fund)	500 00	
K. C. McIlwraith		450 00
F. W. Marlow		350 00
J. A. Kinnear, Associate, 12 mos. to 30 June		300 00
W. G. Cosbie, Fellow, 12 months' salary (paid from Rockefeller Fund)	2,500 00	
D. M. Low, Resident Fellow, 12 months' salary (paid from Rockefeller Fund)	1,000 00	
Demonstrators (Sessional):		
J. G. Gallie		200 00
N. D. Frawley		150 00
W. W. Lailey		150 00
Wm. A. Scott		150 00
R. W. Wesley		150 00
H. B. Van Wyck, Temporary Assistant (Sessional—paid also in Anatomy)		50 00
Miss M. Bonham, Laboratory Technician, 12 months to 30 June		1,000 00
	4,000 00	3,950 00
Ophthalmology.		
J. M. Macallum, Professor, 12 months to 30 June		700 00
Demonstrators (Sessional):		
W. H. Lowry		150 00
D. N. Maclennan		150 00
F. A. Aylesworth		100 00
S. M. Lyon		100 00
W. W. Wright		100 00
C. E. Hill		50 00
		1,350 00

44. Salaries.—*Continued.*

	Charged to Eaton and Rockefeller Funds.	Charged to Revenue.
Oto-Laryngology.		
D. J. G. Wishart, Professor, 12 months to 30 June (resigned)		$700 00
Associate Professors, 12 months to 30 June:		
G. Royce		350 00
P. Goldsmith		350 00
G. M. Biggs, Associate. 12 months to 30 June		300 00
Demonstrators (Sessional):		
E. Boyd		50 00
J. C. Calhoun		50 00
A. Campbell		50 00
Dr. Jean Sproule-Manson		50 00
		1,900 00
Therapeutics.		
R. D. Rudolf, Professor, 12 months to 30 June		1,000 00
F. M. R. Bulmer, Fellow (temporary—paid from Rockefeller Fund)	$700 00	
C. E. C. Cole, Demonstrator (Sessional)		250 00
W. V. Watson, Assistant (Sessional)		100 00
S. Johnston, Lecturer, Anaesthesia (Sessional)		250 00
Assistants, Anaesthesia (Sessional):		
W. H. Carveth		100 00
T. R. Hanley		100 00
J. J. Hurley		100 00
M. D. McKichan		100 00
C. H. Robson		100 00
H. J. Shields		50 00
	700 00	2,150 00
Psychiatry.		
C. K. Clarke, Professor, 12 months to 30 June		500 00
H. Clare, Associate, 12 months to 30 June		50 00
E. A. Bott, Special Lecturer (Sessional—without salary—paid in Psychology)		
Demonstrators (Sessional):		
D. R. Fletcher		25 00
F. S. Vrooman		25 00
		600 00
Miscellaneous.		
G. Silverthorn, Professor of Medical Jurisprudence, 12 months to 30 June (paid also in Surgery)		700 00
G. E. Richards, Associate, Radiology, 12 months to 30 June		300 00
Clinical Assistants, Radiology (Sessional):		
W. H. Dickson		50 00
A. H. Rolph		50 00
A. D. A. Mason, Demonstrator, Dental Surgery (Sessional)		50 00
		1,150 00
Special Lectures.		
Course in English Expression:		
E. L. Daniher (paid also in Ontario College of Education)		625 00
J. F. Van Every (paid also in Ontario College of Education)		625 00
Course in Science and Civilization:		
A. G. Huntsman (also Director)		250 00
J. P. McMurrich (paid also in Anatomy)		100 00
H. Wasteneys (paid also in Bio-Chemistry)		100 00
History of Medicine:		
J. P. McMurrich (paid also in Anatomy)		200 00
Class Advisers to First Year Students:		

44. SALARIES.—*Continued.*

	Charged to Eaton and Rockefeller Funds.	Charged to Revenue.
V. E. Henderson (paid also in Pharmacology)		$250 00
E. S. Ryerson (paid also as Secretary to Faculty, etc.) ...		250 00
		2,400 00
Secretary's Office.		
E. S. Ryerson, Secretary to Faculty and Graduate Courses Committee, 12 months to 30 June @ $3,000, of which $250 charged to Special Lectures		$2.750 00
Miss W. Jones, Assistant, 12 months to 30 June		1,300 00
Stenographers, each 12 months to 30 June:		
Miss O. Russell		1,300 00
Miss A. P. Perry		1,050 00
		6,400 00
	$54,340 48	$162,142 05

45. ANATOMICAL DEPARTMENT.

Anatomical Material ($1,111.82):		
G. W. Burney	20 00	
J. G. Henry Co.	60 00	
R. B. Malcolm	20 00	
H. H. Marter	20 00	
F. W. Matthews Co.	442 92	
H. R. Ranks	120 00	
F. Scott	20 00	
J. K. Shinn	20 00	
Wm. Speers	280 00	
J. L. Tickell	20 90	
J. S. Torrance	20 00	
C. R. Woodburn	20 00	
Superintendent's Dept., labour, $43.03; material, $4.97 ...	48 00	
Material for preservation, chemicals, etc. ($233.95):		
Canadian Industrial Alcohol Co., methylated spirits	98 24	
H. S. Eckels & Co., bulb	94	
Ingram & Bell, chemicals, etc.	132 45	
Freight charges, sales tax, etc.	2 32	
Incidental Expenses ($425.66):		
Allen Mfg. Co., laundry	13 35	
W. R. Brock Co., towelling	26 89	
The Bursar, postage supplied	6 00	
T. Eaton Co., jars	2 70	
Grand & Toy, transfer case	15 00	
J. F. Hartz Co., dishes	7 84	
Hudson Parker Ltd., coats, etc.	57 69	
Ingram & Bell, chemicals, etc.	21 32	
Lyman Bros., sponges	3 24	
J. B. Lippincott Co., charts	150 00	
Prof. J. P. McMurrich, paid for laboratory supplies	12 54	
Photography, Dept. of, slides	3 96	
United Typewriter Co., inspections, etc.	7 50	
University Press, stationery and printing	52 15	
Wistar Institute of Anatomy and Biology, bibliographic services	5 05	
Superintendent's Dept., Freight charges, $14.89; labour, $17.08; material, $8.46	40 43	
Microscopes:		
Spencer Lens Co., microscopes	1,606 00	
Superintendent's Dept., sales tax	44 00	
	3,421 43	
Less sundry credits—sale of alcohol	14 77	
		3,406 66

46. Pathology and Bacteriology.

Supplies ($3,215.39):			
J. Allen, meat, etc.		$73 32	
Allen Manufacturing Co., laundry		28 34	
Anglers Co., frogs		7 10	
Battle Creek Sanitorium, animals		50 76	
The Bursar, postage supplied		18 00	
Canadian Carbonate Ltd., gas		11 72	
Canadian Industrial Alcohol Co., methylated spirits		164 49	
Canadian Laboratory Supplies, supplies		88 85	
Connaught Antitoxin Laboratories, animals		61 75	
J. T. Craig, animals		11 70	
T. Eaton Co., oculars, etc.		85 60	
R. Fleming, animals		5 10	
Grand & Toy, envelopes, etc.		4 65	
Grasselli Chemical Co., chemicals		15 45	
J. F. Hartz Co., cotton		13 97	
G. M. Hendry Co., blackboard		3 97	
Ingram & Bell, chemicals, etc.		667 17	
K. Johnston, animals		20 40	
Lines & Co., animals		14 70	
W. R. Linton, animals		7 80	
J. McGillian, fodder		495 00	
Prof. J. J. MacKenzie, paid for laboratory supplies		60 00	
Prof. H. B. Maitland, paid for laboratory supplies		20 00	
J. F. Martin, animals		4 00	
Merck & Co., chemicals		115 11	
C. Potter, carbons, etc.		8 10	
Miss E. Robinson, stenographic work, 11 days at $5.00		55 00	
W. L. Robinson, paid for laboratory supplies		15 00	
L. C. Rochford, clover		8 50	
Geo. Sparrow & Co., pots		25 09	
Standard Chemical Co., chemicals		10 30	
H. B. Tapscott, animals		14 75	
Toronto Dog & Cat Hospital, fodder		32 50	
Toronto Produce Co., fodder		196 80	
United Typewriter Co., inspections, etc.		12 50	
University Press, stationery and printing		125 20	
W. Webber, fodder		376 00	
Superintendent's Dept., freight, $14.49; labour, $120.17; material, $152.04		286 70	
Apparatus ($2,478.92):			
T. Eaton Co., microscopes		295 15	
Grand & Toy, stapler		6 50	
Ingram & Bell, electric centrifuge incubators, etc.		1.858 12	
Rice Lewis & Son, sand screen		5 08	
McAinsh & Co., medical dictionary		8 00	
Office Specialty Mfg. Co., cabinets		117 37	
Richards Glass Co., tubes		5 47	
Robert Simpson Co., electric fan		9 50	
Superintendent's Dept., labour, $131.75; material, $41.98		173 73	
Museum Supplies ($1,476.24):			
Aikenhead Hardward, tools, etc.		33 97	
Consolidated Plate Glass Co., glass		47 49	
T. Eaton Co., hardware		42 15	
Ingram & Bell, containers, etc.		807 69	
R. Laidlaw Lumber Co., lumber		39 20	
Office Specialty Mfg. Co., desk		46 01	
J. G. Ramsey Co., supplies		84 33	
Robinson Press, ledger sheets		35 05	
Toronto General Hospital, utensils		44 47	
Toronto Plate Glass Importing Co., glass		149 44	
United Typewriter Co., typewriter		133 65	
Superintendent's Dept., labour, $3.71; material, $9.08		12 79	
		7,170 55	
Less Sundry Credits:			
Sale of microscope, etc.	154 50		
Charged to Rockefeller Endowment	640 00	794 50	
			6,376 05

47. Pathological Chemistry.

Supplies ($2,185.30):		
Allen Mfg. Co., laundry	$3 38	
H. Allnut & Son, filter paper, etc.	61 36	
Art Metropole, linen, etc.	19 73	
J. T. Baker Chemical Co., chemicals	26 52	
F. G. Banting, reprints	2 72	
Canadian Laboratory supplies, pipettes, etc.	965 88	
Canadian Carbonate Co., gas	3 71	
Canadian Johns-Manville Co., asbestos gloves	6 09	
C.P.R. Telegraph Co., telegrams	40 89	
Carrib Ltd., carbon	3 14	
Eastman Kodak Co., dextrose	13 13	
Freyseng Cork Co., cork	14 78	
General Chemical Co., chemicals, etc.	31 48	
Gordon Mackay & Co., cloth, etc.	21 46	
Grasselli Chemical Co., chemicals, etc.	88 29	
E. Greiner Co., pipettes, etc.	22 57	
J. F. Hartz Co., supplies	6 00	
Hynson, Westcott & Dunning, chemicals	59 35	
Ingram & Bell, chemicals, etc.	6 18	
C. M. Sorenson Co., tubes	27 71	
Lyman Bros., chemicals, etc.	12 76	
C. W. Mack, stamps	5 56	
Macey Office Equipment Co., desk	39 50	
Merck & Co., chemicals, etc.	195 93	
Michie & Co., gluten bread	6 25	
McNeill Sales Ltd., stencil	5 70	
Hughes Owens Co., cylinders, slides, etc.	203 68	
Photography, Dept. of, slides	18 00	
O. B. Stanton & Wilson, envelopes, etc.	28 45	
Toronto General Hospital, chemicals	4 50	
United Typewriter Co., inspections, etc.	6 00	
University Press, stationery and printing	125 60	
Superintendent's Dept., freight, $47.95; labour, $6.22; material, $54.83	109 00	
Apparatus ($358.53):		
Canadian Laboratory Supplies, gas apparatus	51 30	
Hughes Owens Co., bottles	81 68	
Pathological Dept., microscope	115 00	
United Typewriter Co., typewriter	110 55	
Alterations and repairs ($115.40):		
Superintendent's Dept., labour, $82.73; material, $32.67	115 40	
	2,659 23	
Less Sundry Credits: Sale of chemicals	30 57	
		$2,628 66

48. Bio-Chemistry.

Laboratory and office supplies ($2,232.51):	
Ansco Co., cotton	3 19
J. T. Baker Chemical Co., chemical	575 84
Baird & Tatlock Ltd., casks, tubes, etc.	60 21
W. R. Brock Co., cloth	30 16
Canadian Laboratory Supplies, chemicals	154 19
Canadian Industrial Alcohol Co., methylated spirits	39 05
Commercial Solvents Corporation, butanol	9 61
Dominion Rubber System, tubing	42 94
T. Eaton Co., towelling	39 50
General Chemical Co., chemicals	12 52
Grasselli Chemical Co., chemicals	112 24
Harris Abbatoir Co., meat, etc.	25 46
Hooper Drug Co., casein	3 60
Hudson-Parker Ltd., gowns, coats, etc.	32 96
Lake Simcoe Ice Co., ice	81 88
E. Leadlay & Co., wool	12 18
Lowe-Martin Co., guides	8 90
Lyman Bros., chemicals	31 00
McKay School Equipment Ltd., tubing, etc.	614 27

48. BIO-CHEMISTRYY—*Continued.*

Mallinckrodt Chemical Works, chemicals		$8 63	
O'Keefe's Beverages Ltd., water		9 06	
Powers-Weightman-Rosengarton Co., chemicals		16 62	
Photography, Dept. of, slides		10 00	
F. Simpson & Sons, eggs, etc.		12 25	
United Typewriter Co., inspections		8 25	
University Press, stationery and printing		88 56	
Petty items (3)		3 97	
Superintendent's Dept., freight, $77.99; labour. $1.91; material, $105.57		185 47	
Apparatus ($1,369.75):			
Baird & Tatlock, flasks, etc.		113 70	
Beaver Flint Glass Co., fractionating column		17 76	
John Browning, spectroscopes		44 14	
Canadian Laboratory Supplies, thermometer, etc.		445 17	
Central Scientific Co., apparatus		19 65	
R. H. Chappell, repairs to apparatus		27 00	
T. Eaton Co., kettles, pails, etc.		15 25	
Eimer & Amend, hydrometer		5 07	
McKay School Equipage Ltd., clamps, etc.		673 19	
C. M. Sorenson Co., repairs to apparatus		3 20	
A. H. Thomson Co., tubes		5 62	
Alterations in Laboratory ($754.61):			
C. Wilson & Sons, repairs to scale		7 59	
Consolidated Optical Co., repairs to scale		18 00	
Superintendent's Dept., labour, $422.29; material, $306.73		729 02	
		4,356 87	
Less Sundry Credits:			
Sale of balance	$75 00		
Breakages	30 00	105 00	
			$4,251 87

49. PHYSIOLOGY.

Laboratory and office supplies ($2,433.51):	
Aikenhead Hardware, hardware	169 68
American Hard Rubber Co., rubber	5 78
Anglers Co., frogs, etc.	230 02
Baird, Tatlock, London Ltd., comparator	4 06
F. G. Banting, animals	12 00
Canadian Office Appliance & Supply Co., line-a-time model	19 50
Canadian Laboratory Supplies, chemicals	37 74
Connaught Antitoxin Laboratories, animals	62 75
Dominion Bottle Co., bottles	2 16
B. Double, animals	4 00
T. Eaton Co., leather, etc.	123 43
H. N. Elmer, gas bags, etc.	65 14
Miss I. Gix, typing manuscript	7 00
Geo. E. Grove, sprocket, etc.	15 75
Hudson-Parker Ltd., coats, etc.	5 67
Ingram & Bell, tubing, etc.	120 25
L'Air Liquid Society, nitrogen, etc.	13 69
A. Lamb, animals	8 70
Lyman Bros. & Co., chemicals	118 88
McKay School Equipment Ltd., labels, thermometer, etc.	36 62
Prof. J. J. R. Macleod, disbursements; chemicals and laboratory supplies, $79.75; laundry, $74.90; hardware, etc. $25.84; car fare and postage, $21.37; sundries, $8.14	210 00
Geo. B. Meadows, Ltd., screens	10 00
T. H. Moulton, attendance at meeting	2 50
C. V. Mosby Medical Book & Publishing Co., reprints	65 73
Northern Electric Co., fans	23 56
J. O'Donnell, animals	4 00
O'Keefe Beverage Ltd., water etc.	23 12
Pets Stock Farm, animals	73 00
Photography, Dept. of, prints etc.	17 68
Powers & Powers, specimen	4 42

49. PHYSIOLOGY.—*Continued.*

Receiver General of Canada, barrack stores		$54 54	
Ralph, The Druggist, leeches		5 00	
Students' Book Dept., books		8 50	
L. Sloan, animals		2 50	
Tablet & Ticket Co., tablets		5 89	
A. H. Thomson & Co., chemicals		76 72	
Toronto Dog & Cat Hospital, animals		128 00	
Toronto Produce Co., fodder		239 65	
United Typewriter Co., inspections etc.		7 50	
University Press, stationery and printing		64 45	
W. Weber, animals		87 75	
Will Corporation, tubing etc.		8 89	
Petty items (3)		3 56	
Superintendent's Dept., freight, $119.96; labour, $6.20; material, $117.57		243 73	
Apparatus ($458.57):			
Aikenhead Hardware, hardware		30 04	
Baird & Tatlock, manometers etc.		58 00	
Canadian Johns-Manville Co., asbestos wool etc.		10 71	
Canadian Laboratory Supplies, funnels etc.		3 20	
General Electric Co., tungsten contacts		5 23	
Geo. G. Grove, spokes etc.		4 25	
Leeds & Northrup, repairs to resistance boxes etc.		15 09	
McKay School Equipment Ltd., tubing etc.		23 11	
G. B. Meadows Ltd., screens		10 60	
Oxford Scientific Instrument Works, switches		37 46	
J. G. Ramsey & Co., paper etc.		8 57	
Rubber Products Co., calorimeter sleeves		27 75	
A. H. Thomas Co., burettes etc.		192 06	
Tomlinson & Forbes, repairs to drill		2 50	
Superintendent's Dept., material,		30 00	
Alterations in Laboratory ($356.96):			
T. Eaton Co., felt		12 00	
Superintendent's Dept., labour, $151.37; material, $193.59		344 96	
Keep of Animals at Connaught Farm ($150.00):			
Connaught Antitoxin Laboratories, animals		129 00	
W. Weber, animals		21 00	
		3,399 04	
Less Sundry Credits:			
Sale of apparatus	$181 06		
Damages	26 94	208 00	
			$3,191 04

50. PHARMACY AND PHARMACOLOGY.

Supplies ($1,302.31):	
Adams Furniture Co., stools	33 00
Aikenhead Hardware Co., hardware	6 86
J. T. Baker Chemical Co., ether etc.	11 15
Business Equipment Co., desk	25 00
Canadian General Electric Co., motor	16 04
Canadian Milk Products Ltd., klim	3 92
Connaught Antitoxin Laboratories, animals	16 55
Dominion Rubber System, atomizer	69
T. Eaton Co., pans	5 55
Eimer & Amend, chemicals	32 63
J. Fontain, frogs	105 00
Prof. V. E. Henderson, paid for laboratory supplies	60 28
Ingram & Bell, syringe etc.	13 15
Geo. A. McFadgen, animals	12 00
J. McGillian, fodder	12 00
McKay School Equipment Co., funnel etc.	72 96
Merck & Co., chemicals	147 86
National Drug & Chemical Co., chemicals	62 68
Ontario Rubber Co., tubing	13 74
Pets Stock Farm, animals	11 00

50. Pharmacy and Pharmacology.—*Continued.*

Photography, Dept. of, prints	$12 98	
Rice Wire & Metal Goods, wire	8 57	
Toronto Produce Co., fodder	12 00	
Tomlinson & Forbes, rewinding armatnre	8 00	
Toronto Dog & Cat Hospital, animals	33 60	
W. Weber, animals	243 25	
John Williamson, fodder	2 10	
University Press, stationery etc.	62 30	
Superintendent's Dept., freight, $35.91; labour, $37.15; material, $184.39	257 45	
Special Apparatus ($371.60):		
Beaver Flint Glass Co., fractionating column	18 03	
Biochemical Dept., balance	75 00	
Canadian Laboratory Supplies, hot plate etc.	73 24	
Central Scientific Co., rheostats	14 33	
Harvard Apparatus Co., kymograph	62 76	
McKay School Equipment Co., tubing etc.	62 32	
A. H. Thomas Co., burettes etc.	65 92	
Maintenance of Shop in Physiological Department ($244.33):		
Aikenhead Hardware Co., apparatus etc.	244 33	
		$1,918 24

51. Department of Medicine.

(a) Maintenance of Building (1 Queen's Park).		
Fuel ($784.23):		
W. H. Cox Coal Co., fuel	705 63	
Britnell Contracting Co., teaming	78 60	
Gas and City Current ($85.01):		
Consumers' Gas Co.	43 65	
Toronto Hydro Electric System	41 36	
Water ($41.64):		
City Treasurer	41 64	
Cleaning ($303.00):		
Miller & Miller, window cleaning	3 00	
Superintendent's Dept., labour,	300 00	
Caretaker's supplies ($55.17):		
Superintendent's Dept., labour, $2.09; material, $53.08	55 17	
Repairs and Renewals ($593.70):		
Mitchell & McGill, furniture	101 00	
Superintendent's Dept., labour, $286.79; material, $205.91	492 70	
	1,862 75	
(b) Maintenance of Department ($5,341.11):		
Supplies and Apparatus ($2,909.03):		
Arlington Chemical Co., chemicals	17 92	
F. G. Banting, reprints	12 88	
The Bursar, postage supplied	36 00	
J. L. Cartwright, slides	1 00	
Canadian Laboratory Supplies. pipettes, etc.	27 87	
T. Eaton Co., labels	3 80	
Prof. Duncan Graham, paid for laboratory supplies	50 72	
J. F. Hartz Co., chemicals	297 29	
G. M. Hendry Co., repairs to balance	5 25	
Ingram & Bell, chemicals	2,120 87	
Rice Lewis & Son, screen	4 39	
Lyman Bros., chemicals	11 47	
Office Specialty Mfg. Co., cards etc.	78 24	
Pathology, Dept., animals	17 00	
Synthetic Drug Co., animals	48 81	
United Typewriter Co., inspections	7 50	
W. Weber. animals	6 25	
University Press, printing etc.	156 75	
Superintendent's Dept., material	5 02	
Books and Periodicals ($1,071.45):		
Students' Book Dept. journals etc.	1,026 25	
University Press, binding	45 20	

51. DEPARTMENT OF MEDICINE.—*Continued.*

Laboratory Cleaning ($126.82):		
Mrs. Davis, 40 weeks, 2 days at $1.56 per week	$62 92	
Mrs. Sherman, 11 5/6 weeks at $4.50 per week	63 90	
Sub-Department of Pediatrics.		
Apparatus and Supplies ($1,233.81):		
The Bursar, postage supplied	3 00	
Canadian Laboratory Supplies, balance etc.	298 57	
J. L. Cartwright, slides	41 75	
Consolidated Optical Co., equipment	132 97	
T. Eaton Co., dishes	11 40	
Prof. Duncan Graham, paid for laboratory supplies	39 97	
J. F. Hartz Co.. air ring etc.	245 97	
Hospital for Sick Children, bone crusher	5 00	
Ingram & Bell, chemicals	336 62	
Lyman Bros. & Co., graduates	28 37	
Richards Glass Co., funnels etc.	48 72	
J. A. Simmers Ltd., bone cutter	5 00	
Students' Book Dept. books	8 20	
Ward's Natural Science Establishment, mounts	3 39	
University Press, stationery	15 50	
Superintendent's Dept. material	9 38	
	7,203 86	
Less Charged to Eaton Endowment	5,341 11	
		$1,862 75

52. OBSTETRICS AND GYNÆCOLOGY.

Supplies and Apparatus ($183.97):		
Grand & Toy, scrap books	6 90	
J. F. Hartz Co., microtome	36 00	
Ingram & Bell, chemicals	8 92	
Macey Office Equipment Co., cabinet	12 50	
H. B. Post, slides	90 20	
Robert Simpson & Co., coat	3 50	
University Press, printing etc.	25 95	
		183 97

53. OPHTHALMOLOGY.

Supplies and Apparatus ($18.50):		
J. F. Hartz Co., opthalmoscopes	18 50	
		18 50

54. OTO-LARYNGOLOGY.

Supplies and Apparatus ($128.36):		
A. E. Fraser Co., apparatus	32 72	
C. W. Mack, stamps	91	
Students' Book Dept., journals	93 45	
Superintendent's Dept., sales tax	1 28	
		128 36

55. THERAPEUTICS.

Supplies and apparatus ($95.71):		
J. F. Hartz Co., medical annual	8 70	
Masson & Co., books	6 11	
Students' Book Dept., books	54 80	
University Press, printing, etc.	26 10	
		95 71

56. HYGIENE.

Supplies ($483.33):		
The Bursar, postage supplied	38 00	
Canadian Laboratory Supplies, chemicals	194 22	
Canadian Public Health Association, folders	16 25	
Connaught Antitoxin Laboratories, animals	7 85	

56. HYGIENE.—*Continued.*

Dr. J. G. Fitzgerald, disbursements:			
Stationery and supplies		$34 76	
Ingram & Bell, stoppers, etc.		49 86	
Miss Jean Montanden, chemicals		13 46	
Lockport Cotton Batting Co., batting		40 90	
United Typewriter Co., inspections		6 75	
W. O. Ward, meat		10 13	
University Press, stationery, etc.		64 15	
Petty items (4)		7 00	
Apparatus ($383.72):			
Canadian Laboratory Supplies, pipettes, etc.		109 58	
Wm. Fenton, slides		6 40	
Hudson-Parker Co., coats		8 24	
Ingram & Bell, eye pieces		13 00	
McClary Mfg. Co., boilers		5 79	
Methodist Book & Publishing Co., stereopticon		40 00	
Office Specialty Mfg. Co., cases		8 14	
Rainbow Lantern Slide Co., slides		34 78	
United Photographic Store, slides		35 50	
Superintendent's Dept., labour, $63.84; material, $58.45		122 29	
Alterations ($396.62):			
Superintendent's Dept., labour, $274.09; material, $122.53		396 62	
		1,263 67	
Less Credit:			
Pathescope of Canada Ltd., refund on Lantern Slide equipment 1920-21		28 46	
			$1,235 21

57. MEDICAL JURISPRUDENCE.

(nothing spent).

58. MEDICAL BUILDING.

Heat and Light (supplied from Central Power Plant):			
Gas, city current and occasional fuel ($506.97):			
Consumers' Gas Co.,		506 97	
Water ($900.19):			
City Treasurer		900 19	
Caretaker's supplies ($302.16):			
Superintendent's Dept., labour, $6.11; material, $296.05		302 16	
Cleaning ($1,645.51):			
Allen Mfg. Co., laundry		3 61	
Veteran Window Cleaners, cleaning windows		35 10	
Superintendent's Dept., labour		1,606 80	
Repairs and renewals ($2,499.63):			
City Treasurer, elevator license		5 00	
Patterson & Howard, brass signs		45 00	
R. Robertson & Son, cutting window sills		37 99	
Routery Bros., repairs to ceiling		10 70	
Superintendent's Dept., labour, $1,822.30; material, $578.64		2,400 94	
		5,854 46	
Less Sundry Credits:			
Lighting	$ 50		
Cleaning	26 60	27 10	
		5,827 36	
Caretaker, Thos. Motton, 12 mos. to 30 June		1,400 00	
Assistant to Caretaker, J. Cattle, 12 mos. to 30 June		1,000 00	
			8,227 36

59. PATHOLOGICAL BUILDING.

Heat and Light ($4,460.16):			
Toronto General Hospital		4,460 16	
Gas and city current ($1,379.86):			
Consumers' Gas Co.		1,379 86	

59. PATHOLOGICAL BUILDING.—*Continued.*

Water ($449.08):		
City Treasurer	$449 08	
Caretaker's supplies ($244.64):		
Superintendent's Dept., labour, $7.62; material, $237.02	244 64	
Cleaning ($1,229.44):		
Allen Mfg. Co., laundry	1 84	
Canadian Cleaning Co., cleaning windows	30 00	
Superintendent's Dept., labour	1,197 60	
Repairs and renewals ($1,797.30):		
Adams Furniture Co., chairs	54 00	
Canadian Ice Machine Co., repairs	2 35	
City Treasurer, elevator license	10 00	
A. Norton, wiring chairs	18 00	
Turnbull Elevator Mfg. Co., cables	41 37	
Superintendent's Dept., labour, $1,084.15; material, $587.43	1,671 58	
Caretaker, Alex Wilson, 12 mos. to 30 June	750 00	
		$10,310 48

60. GENERAL EXPENSES.

Stationery, printing, postage, office supplies, etc. ($2,748.09):		
The Bursar, postage supplied	301 86	
Canadian Office Appliance & Supply Co., line-a-time model	19 50	
Miss I. Gix, clerical assistance	47 50	
Hudson-Parker Co., coat	3 09	
A. S. Hustwitt Co., stencils	2 60	
Miss Rose McGill, assistance, 15 days @ $3.00	45 00	
Might Directories, directory	15 00	
Munson Supply Co., keys for typewriter	5 75	
Office Specialty Mfg., Co., card section, etc.	216 04	
Dr. E. S. Ryerson, paid for telegrams and sundries	13 87	
Sanitary Carpet Cleaning and Rug Weaving Co., cleaning rug	2 80	
Simmons & Son, wreath, etc.	55 50	
Students' Book Dept., directory, etc.	21 00	
United Typewriter Co., inspections	27 00	
University Press, stationery and printing	1,836 45	
Superintendent's Dept., labour, $85.08; material, $50.05	135 13	
Appropriation for Dean's Office ($495.40):		
Dr. A. Primrose, reimbursement *re* dinner to guests of Faculty of Medicine	95 40	
Miss H. Sharpe, clerical assistance to 30 June	390 00	
Dr. C. L. Starr, paid for transportation of cases to Detroit Surgical Society	10 00	
		3,243 49

61. SUMMER SESSION IN MEDICINE AND SPECIAL POST GRADUATE COURSES.

Remuneration to Instructors:	
(*a*) Summer Session ($1,380.00):	
H. K. Detweiler	90 00
A. A. Fletcher	60 00
H. S. Hutchison	60 00
R. Jamieson	60 00
A. G. McPhedran	60 00
A. W. Canfield	45 00
W. A. Costain	45 00
C. E. C. Cole	45 00
C. H. Gilmour	45 00
A. Goulding	45 00
W. B. Hendry	45 00
J. A. McCallum	45 00
G. C. McIntyre	45 00
D. McLennan	45 00
E. A. Morgan	45 00
C. B. Parker	45 00
E. S. Ryerson	45 00
N. S. Shenstone	45 00
G. E. Smith	45 00
F. E. Watts	45 00

61. SUMMER SESSION IN MEDICINE AND SPECIAL POST GRADUATE COURSES.—*Continued.*

G. E. Wilson	$45 00	
D. J. G. Wishart	45 00	
W. R. Campbell	40 00	
R. G. Armour	35 00	
J. G. Gallie	35 00	
J. A. Oille	35 00	
A. A. Campbell	30 00	
R. E. Gaby	27 50	
Wm. Goldie	25 00	
K. C. McIlwraith	25 00	
G. M. Dale	17 50	
J. Sproule-Manson	15 00	
(*b*) Course in Pædiatrics ($414.00):		
Alan Brown	414 00	
(*c*) Course in Obstetrics and Gynæcology ($98.00):		
W. G. Cosbie	14 00	
J. G. Gallie	14 00	
W. B. Hendry	14 00	
K. C. McIlwraith	14 00	
F. N. Marlow	14 00	
Wm. A. Scott	14 00	
B. P. Watson	14 00	
(*d*) Course in Surgery ($36.00):		
C. L. Starr	36 00	
(*e*) Course in Medicine ($72.00):		
G. Howland	12 00	
A. H. W. Caulfeild	7 50	
J. H. Elliott	7 50	
W. E. Ogden	7 50	
J. Oille	7 50	
H. C. Parsons	7 50	
L. Murray	5 00	
D. King Smith	5 00	
E. J. Trow	5 00	
G. Boyer	2 50	
Wm. Goldie	2 50	
W. F. McPhedran	2 50	
(*f*) Venereal Disease Clinic ($36.00):		
E. Morgan	9 00	
C. H. Hair	4 50	
W. W. Jones	4 50	
W. W. Lailey	4 50	
R. A. McComb	4 50	
R. Pearse	4 50	
E. J. Trow	4 50	
(*g*) Post Graduate Course, May ($144.00):		
B. P. Watson	63 00	
G. N. Howland	12 15	
J. A. Oille	12 15	
A. H. Caulfeild	8 10	
J. H. Elliott	8 10	
W. E. Ogden	8 10	
H. C. Parsons	8 10	
D. King Smith	8 10	
E. J. Trow	8 10	
G. F. Boyer	4 05	
L. Murray	4 05	
Sundry Expenses:		
The Bursar, postage supplied	159 25	
University Press, printing	208 55	
		$2,547 80
		$211,768 20

IV. FACULTY OF APPLIED SCIENCE.

62. SALARIES.

C. H. Mitchell, Dean, 12 months to 30 June	$6,000 00	
		$6,000 00

Electrical Engineering.

Professors, each 12 months to 30 June:		
T. R. Rosebrugh (absent on sick leave)	5,700 00	
H. W. Price	4,800 00	
A. R. Zimmer, Assistant Professor, 12 months to 30 June	2,700 00	
W. S. Guest, Lecturer (Sessional):	2,810 00	
Demonstrators (Sessional):		
H. S. Brown	1,100 00	
S. K. Cheney	1,100 00	
W. A. Dancey	1,100 00	
A. L. Tennyson	1,100 00	
H. C. Crane (paid also $200 in Special Research)	1,000 00	
A. E. Hamilton	1,000 00	
A. G. Turnbull	1,000 00	
G. Hepburn, ($1,000 less $47.62)	952 38	
T. F. Howlett ($1,000 less $71.43)	928 57	
H. K. Maclean ($1,000 less $71.43)	928 57	
Electricians:		
W. R. McKee, 12 months to 30 June	1,800 00	
R. G. Boyd, Assistant, 26 July to 30 June @ $700 per annum	653 41	
J. W. Lawson, Mechanician, 12 months' salary (paid also $900 in Special Research)	1,100 00	
Stenographer and Librarian:		
Miss N. Louch, 1 July to 30 April (resigned) @ $1,000 per annum, of which half charged to Applied Mechanics	416 67	
Miss M. Munro, 1 May to 30 June @ $900 per annum, of which half charged to Applied Mechanics	75 00	
		30,264 60

Mechanical Engineering.

R. W. Angus, Professor, 12 months to 30 June	5,220 00	
E. A. Allcut, Associate Professor, Thermodynamics, 9 months from 1 October @ $4,000 per annum	3,000 00	
J. H. Parkin, Assistant Professor, Design, 12 months to 30 June	2,800 00	
R. Taylor, Lecturer, Hydraulics (Sessional)	2,700 00	
Assistants, Machine Design:		
U. C. Holland (Sessional)	1,650 00	
W. G. McIntosh (temporary) 10 February to 31 March	250 00	
H. A. Tuttle, Assistant, Thermodynamics (Sessional)	1,650 00	
Demonstrators (Sessional):		
S. E. Henry, Thermodynamics	1,000 00	
R. D. Keenleyside, Thermodynamics	1,000 00	
J. J. Weicker, Hydraulics	1,100 00	
D. K. C. Strathearn, Hydraulics ($1,100 less $55)	1,045 00	
T. M. West	840 00	
F. Hickey, Engineer and Machinist, 12 months' salary	1,800 00	
Assistant Machinists and Fireman:		
T. Carnie, 796 hours @ 70c.	557 20	
W. Odd, 1,720 hours @ 55c.	946 00	
F. Millon, Laboratory Attendant, 1,844 hours @ 50c.	922 00	
		26,480 20

Applied Mechanics and Civil Engineering.

Professors, each 12 months to 30 June:		
J. McGowan	5,100 00	
P. Gillespie, Civil Engineering	4,800 00	
Associate Professors, each 12 months to 30 June:		
C. R. Young, Structural	3,840 00	
A. T. Laing, Highways	4,000 00	
T. R. Loudon	3,720 00	

62. SALARIES.—*Continued.*

S. G. Bennett, Lecturer, Commercial Engineering, (Sessional—part time—paid also as Secretary to Faculty)	300 00	
Demonstrators (Sessional):		
W. L. Sagar	1,100 00	
C. A. Hughes	800 00	
E. L. Paterson (part time)	600 00	
W. K. Simpson, Mechanician, 12 months to 30 June	1,750 00	
J. Brown, Laboratory Attendant, 8 months' salary	720 00	
Stenographer and Librarian:		
Miss N. Louch, 1 July to 30 April (resigned) @ $1,000 per annum, of which half charged to Electrical Engineering	416 67	
Miss M. Munro, 1 May to 30 June @ $900 per annum, of which half charged to Electrical Engineering	75 00	
		$27,221 67

Mining Engineering.

H. E. T. Haultain, Professor, 12 months to 30 June	5,700 00	
Assistant Professors, each 12 months to 30 June:		
F. C. Dyer	2,800 00	
J. T. King	2,700 00	
Demonstrators (Sessional):		
W. F. Green	1,000 00	
J. M. Muir @ $1,100, of which $500 charged to Drawing	600 00	
E. Tozer, Laboratory Assistant, 12 months to 30 June	1,200 00	
C. Waybrant, Laboratory Attendant, 7 months' salary	700 00	
		14,700 00

Metallurgical Engineering.

G. A. Guess, Professor, 12 months to 30 June	5,700 00	
Lecturers (Sessional):		
O. W. Ellis	2,500 00	
J. E. Tomer	2,500 00	
J. Stark, Laboratory Attendant, 10 months' salary	750 00	
		11,450 00

Surveying.

L. B. Stewart, Professor of Surveying and Geodesy, 12 months to 30 June	5,700 00	
W. M. Treadgold, Associate Professor, 12 months to 30 June	3,720 00	
S. R. Crerar, Assistant Professor, 12 months to 30 June	3,125 00	
Lecturers (Sessional):		
E. W. Banting	2,810 00	
J. W. Melson	1,875 00	
		17,230 00

Chemical Engineering and Applied Chemistry.

J. Watson Bain, Professor, 12 months to 30 June	5,100 00	
Associate Professors, each 12 months to 30 June:		
M. C. Boswell, Organic Chemistry	3,900 00	
E. G. R. Ardagh, Chemical Engineering	3,840 00	
C. D. Locke, Lecturer (Sessional)	1,750 00	
Demonstrators (Sessional):		
J. E. Fasken ($1,200 less $50)	1,150 00	
O. W. Herzberg	1,200 00	
G. G. Macdonald	1,200 00	
T. P. G. Shaw	1,200 00	
H. M. Lancaster, Sanitary Chemistry (Sessional—part time—paid also $500 in Hygiene)	300 00	
C. P. Sale, Temporary Assistant	35 00	
A. Hunt, Glass-blower, 10 months' salary	1,200 00	
D. Sinclair, Laboratory Assistant, 12 months to 30 June	1,400 00	
J. Johnson, Lecture Assistant, 11 months from 1 August @ $900 per annum	825 00	

62. SALARIES.—*Continued.*

Laboratory Attendants:		
J. Addison, 12 weeks, 2 days @ $8.75; 40 weeks less 1 day @ $9.00	$466 42	
K. Crawford, 31 weeks @ $7.50	232 50	
		$23,798 92

Architecture.

C. H. C. Wright, Professor, 12 months to 30 June	5,700 00	
Associate Professors, each 12 months to 30 June:		
A. W. McConnell	3,720 00	
A. Berrington	3,500 00	
H. H. Madill, Lecturer (Sessional)	2,400 00	
Instructors (Sessional—part time):		
C. W. Jefferys, Freehand Drawing	1,000 00	
F. Coates, Modelling,	700 00	
Miss J. C. Laing, Instructor and Librarian, 12 months' salary	1,200 00	
F. E. Simpson, Assistant, Modelling, 8 months' salary	500 00	
J. Butler, Attendant, 8 months' salary	600 00	
		19,320 00

Drawing.

C. H. C. Wright, Professor (paid as Professor of Architecture)	....	
J. Roy Cockburn, Associate Professor, Descriptive Geometry, 12 months to 30 June	$3,900 00	
W. J. Smither, Assistant Professor, 12 months to 30 June	2,700 00	
W. J. T. Wright, Lecturer (Sessional)	2,250 00	
Instructors (Sessional):		
W. B. Dunbar (paid also $852.50 in Special Research)	1,400 00	
H. J. Franklin	1,400 00	
Demonstrators (Sessional):		
G. D. Maxwell (paid also $150 as Assistant Secretary)	1,200 00	
A. Wardell	1,200 00	
A. C. Wilson	1,100 00	
C. B. Ferris	1,000 00	
F. H. Taylor	1,000 00	
G. R. Workman	1,000 00	
J. H. Curzon ($1,100 less $104.76)	995 24	
C. G. R. Armstrong ($1,000 less $95.23)	904 77	
P. V. Jermyn	812 50	
J. M. Muir @ $1,100, of which $600 charged to Mining Engineering	500 00	
G. Brown, Attendant, 8 months' salary	720 00	
Miss F. Stinson, Office Assistant, 8½ months' salary, (half time, paid also in Engineering Physics)	396 67	
		22,479 18

Engineering Physics and Photography.

G. B. Anderson, Associate Professor, 12 months to 30 June	4,320 00	
Demonstrators (Sessional):		
K. B. Jackson	1,350 00	
J. T. Ransom	1,250 00	
Photographers:		
A. R. Timothy, 8 months' salary	800 00	
Miss M. Hines, Assistant, 48 weeks, 2 days @ $17 per week	821 67	
J. Kermath, Assistant, 5 weeks, 5 days @ $18 per week	105 00	
Miss F. Stinson, Office Assistant, 8½ months' salary, (half time, paid also in Drawing)	396 67	
		9,043 34

Special Lectures.

A. R. Clute, Special Lecturer, Commercial Law (paid also in Political Science)	500 00	
		500 00

62. SALARIES.—*Continued.*

Secretary's Office.

S. G. Bennett, Secretary, 12 months to 30 June (paid also in Applied Mechanics)	$2,400 00	
G. D. Maxwell, Assistant Secretary, 1 month (paid also in Drawing)	150 00	
Miss E. Birkett, Record Clerk, 12 months to 30 June	1,100 00	
Stenographers, each 12 months to 30 June:		
Miss E. Myers	1,050 00	
Miss R. Cave	1,000 00	
		$5,700 00
		214,187 91

63. MINING BUILDING.

Heat and light (supplied from Central Power Plant):		
Gas, city current and occasional fuel ($1,212.29):		
Consumers' Gas Co.	1,212 29	
Water ($315.29):		
City Treasurer	315 29	
Caretaker's supplies ($292.83):		
Superintendent's Dept., labour, $8.92; material, $283.91	292 83	
Cleaning ($2,796.60):		
Miller & Miller, cleaning Windows	48 00	
Superintendent's Dept., labour,	2,748 60	
Repairs and renewals ($2,876.85):		
Baker Carpet Cleaning Co., cleaning rugs	3 75	
City Treasurer, elevator license	10 00	
G. A. Matthews, repairs to motor	5 00	
Patterson & Heward, brass signs	67 50	
Ryrie Bros., repairs to clock	17 50	
University Press, directory cards	1 10	
Superintendent's Dept., labour, $1 542.54; material, $1,229.46	2,772 00	
Sundries—alterations in Dean's and Secretary's offices ($1,199.73):		
S. Bennett, desk	60 00	
Office Specialty Mfg. Co., furniture	130 81	
O. K. Office Furniture Co., furniture	79 79	
Superintendent's Dept., labour, $729.07; material, $200.06	929 13	
	8,693 59	
Less sundry credits:		
Cleaning, $52.00; light, $24.00; repairs, $22.89	98 89	
	8,594 70	
Caretaker, E. A. Bishop, 12 months to 30 June (paid also as lecture assistant)	1.400 00	
		$9,994 70

64. ENGINEERING BUILDING (FORMERLY ARCHITECTURAL BUILDING) INCLUDING OLD Y.M.C.A. BUILDING.

Heat and light (supplied from Central Power Plant):		
Gas and occasional fuel ($391.15):		
Consumers' Gas Co.	37 40	
W. H. Cox Coal Co., fuel	322 50	
Britnell Contracting Co., teaming	31 25	
Water ($155.38):		
City Treasurer	155 38	
Caretaker's supplies ($230.39):		
Superintendent's Dept., labour, $6.01; material, $224.38	230 39	
Cleaning ($2,519.30):		
Canadian Cleaning Co., cleaning windows	79 50	
Superintendent's Dept., labour,	2,439 80	
Repairs and renewals ($2,596.48):		
Adams Furniture Co., chairs	27 00	
Wm. Bartlett & Son, shades	5 88	
J. T. Hepburn Ltd., chest	61 25	

64. Engineering Building (formerly Architectural Building) including Old Y.M.C.A. Building.—*Continued.*

A. Norton, wiring chairs	$68 85	
Patterson & Heward, brass signs	51 50	
University Press, name plates, etc.	10 90	
Superintendent's Dept., labour, $1,746.76; material, $624.34	2,371,10	
	5,892 70	
Less sundry credits:		
Repairs, $68.20; cleaning, $51.60; light, $7.00	126 80	
	5,765 90	
Caretakers ($950.00):		
W. J. Graham, 12 months to 30 June (reduced service)	650 00	
S. J. Apted (supervision)	300 00	
Firemen ($66.71):		
R. Brown, 23 weeks, 1½ days @ $10 per month	55 04	
E. Claringbold, 5 weeks @ $10 per month	11 67	
		$6,782 61

65. Electrical Building (including Mechanical Building).

Heat and light (supplied from Central Power Plant):		
Fuel for Experimental Plant ($1,664.58):		
W. H. Cox Coal Co., fuel	1,544 78	
Britnell Contracting Co., teaming	119 80	
Gas and City Current ($53.05):		
Consumers' Gas Co.	53 05	
Water ($237.33):		
City Treasurer	237 33	
Caretaker's supplies ($239.25):		
Superintendent's Dept., labour, $5.02; material, $234.23	239 25	
Cleaning ($2,023.00):		
Allen Mfg. Co., laundry	11 30	
Canadian Cleaning Co., window cleaning	70 00	
Superintendent's Dept., labour	1,941 70	
Repairs and renewals ($1,896.11):		
City Treasurer, elevator license	10 00	
A. Norton, wiring chairs	50 00	
Patterson & Heward, brass signs	73 50	
University Press, name plates	10 90	
Superintendent's Dept., labour, $1,038.20; material, $713.51	1,751 71	
Sundries—Lecture room equipment, etc. ($887.95):		
Superintendent's Dept., labour, $71.28; material, $816.67	887 95	
	7,001 27	
Less sundry credits:		
Repairs, $27.30; cleaning, $12.00; light, $6.00	45 30	
	6,955 97	
Caretaker, G. S. Laing, 12 months to 30 June	1.283 34	
		8,239 31

66. Geodetic Observatory Building.

Heat and light (supplied from Central Power Plant):		
Water ($16.20):		
City Treasurer	16 20	
Cleaning ($105.35):		
Superintendent's Dept., labour,	105 35	
Repairs and renewals ($235.58):		
Superintendent's Dept., labour, $160.60; material, $74.98	235 58	
		357 13

67. Electrical Engineering Department.

Supplies ($1,960.24):		
Aikenhead Hardware Co., hardware	19 24	
Booth-Coulter Copper & Brass Co., brass tube, etc.	17 83	
Canada Metal Co., solder	7 89	

67. ELECTRICAL ENGINEERING DEPARTMENT.—*Continued.*

Canadian General Electric Co., terminal, etc.	$191 35	
Davis Slate & Mfg. Co., slate	19 35	
Dominion Glass Co., bottles	21 21	
T. Eaton Co., tags, etc.	9 35	
Electric Controller & Mfg. Co., arc shields	5 98	
Exide Batteries of Canada, jars, hydrometer, etc.	102 29	
P. W. Ellis & Co., fitting glass, etc.	2 63	
Factory Products Co., plugs, wire, etc.	17 52	
Gutta Percha & Rubber Ltd., matting	203 56	
Hopewell Insulating & Mfg. Co., insulators	10 04	
Lyman Bros., chemicals	4 49	
John Macdonald & Co., cheese cloth	8 47	
J. J. McLaughlin Ltd., distilled water	4 60	
Matthews Bros., frames	3 30	
G. B. Meadows Ltd., wire cloth	27 41	
Peckover's Ltd., steel	17 22	
Photography, Dept. of, prints	23 10	
Prof. H. W. Price, paid for laboratory supplies	49 86	
Roger Electric Co., binding posts	4 02	
Sadler & Haworth, belting	2 89	
Sangamo Electric Co., repairs	4 32	
Students' Book Dept., note books	8 00	
Sully Brass Foundry, castings	6 09	
Turnbull Electric Mfg. Co., supplies	187 97	
University of Toronto Engineering Society, paper	5 90	
Victoria Paper & Twine Co., leatherette	4 82	
Weston Electrical Instrument Co., coil, etc.	50 25	
University Press, stationery	9 40	
Petty items (4)	5 53	
Superintendent's Dept., freight, $156.59; labour, $445.15; material, $302.62	904 36	
Apparatus ($3,487.31):		
E. Angus Co., express charges	5 00	
Automatic Telephones & Time Recorders Ltd., telephones	36 00	
Bureau of Standards, Washington, testing	95 64	
P. W. Ellis & Co., tuners	17 38	
F. P. Fahy, control box	155 20	
McFarlane Mfg. Co., ladders	22 99	
Nichols Chemical Co., wattmeter, etc.	43 64	
Students' Book Dept., books	48 50	
Weston Electrical Instrument Co., transformers	667 35	
Superintendent's Dept., sales tax, $2.34; labour, $1,916.98; material, $476.29	2 395 61	
Furniture, printing and incidentals ($616.40):		
Macey Office Equipment Co., cabinet	40 00	
Students' Book Dept., note books	6 75	
University Press, printing	541 65	
Superintendent's Dept., labour, $13.12; material, $14.88	28 00	
Moving expenses and establishment in new building ($1,497.00):		
Macey Office Equipment Co., tables	57 00	
Superintendent's Dept., labour, $1,356.35; material, $83.65	1.440 00	
	7,560 95	
Less sundry credits:		
Prof. T. R. Roseburgh, sale of laboratory pamphlets	117 00	
		$7,443 95

68. MECHANICAL ENGINEERING DEPARTMENT.

Supplies ($725.62):	
Prof. R. W. Angus, disbursements:	
Laboratory supplies and sundries	34 29
Babcock & Wilcox Ltd., gauge, etc.	11 83
Beardmore Belting Co., repairs to belt	13 73
E. A. Bishop, attendance	4 50
W. H. Cox Coal Co., coal	6 90
Garlock Packing Co., waste, etc.	66 06

68. Mechanical Engineering Department.—*Continued.*

R. G. Kirby, case for drawings	$34 00	
Lyman Bros., mercury	10 58	
McColl Bros. Ltd., oil	21 25	
McKay School Equipment Co., pipette, etc.,	18 10	
C. W. Mack, stamp	4 84	
Photography, Dept. of, prints	18 59	
H. V. Short Hardware Ltd., hardware	147 70	
Standard Pattern works, making bearing	21 94	
Students' Book Dept., books	24 30	
United Typewriter Co., stencil, etc.	10 49	
University Press, printing. etc.	87 20	
Superintendent's Dept., freight, $14.51; labour, $68.08; material, $106.73	189 32	
Apparatus ($4,823.92):		
Canadian Leather Preservation & Oil Co., preservative	3 86	
Canadian Westingtouse Co., motor	1,044 38	
Carter Welding Co., of Toronto, welding	20 00	
C. F. Cole Co.. paper	9 89	
Crosby Steam Gage & Valve Co., indicators	237 45	
T. Eaton Co., cabinet	47 50	
Goldie & McCulloch Co., pump, etc.	655 08	
John Inglis Co., steel tanks	128 75	
McKay School Equipment Co., weights	9 80	
Precision Scientific Co., gas meter	80 14	
R. Robertson & Sons, repairs to boilers	82 50	
Weston Electrical Instrument Co., cables, etc.	151 06	
John Whitfield Co., brackets	11 86	
Superintendent's Dept., freight, $96.09; labour, $919.95; material, $1,325.61	2,341 65	
		$5,549 54

69. Applied Mechanics and Civil Engineering Department.

Supplies ($987.76):		
Aikenhead Hardware Co., hardware	134 97	
Baines & David Ltd., steel	47 68	
Beardmore Belting Co., belting	39 15	
Dodge Mfg. Co., pulleys, etc.	48 79	
Fletcher Mfg. Co., repairs to marble trough	4 68	
Dept. of the Interior, U.S. Reclamation Service, prints	3 32	
Keystone View Co., slides	14 90	
Lyman Bros., chemicals	17 42	
Everett E. Neukom, photos	2 16	
Ontario Lime Co., cement	20 81	
Ottawa Silica Co., sand	36 83	
Peckover's Ltd., steel	20 26	
Photography. Dept. of, slides, etc.	58 57	
Standard Foundry Co., castings	4 12	
United Typewriter Co., ribbons	8 10	
Board of Water Supply of New York, prints	3 16	
University Press, printing and stationery	4 00	
Petty items (4)	5 92	
Superintendent's Dept., freight, $62.23; labour, $293.58; material, $157.11	512 92	
Apparatus ($2,311.44):		
Dodge Mfg. Co., castings, etc.	64 08	
Gregory Electric Co., electro-dynamic	148 35	
Macey Office Equipment Co., cabinets	82 30	
Office Specialty Mfg. Co., furniture	81 89	
Riehle Bros. Testing Machinery Co., machine	157 75	
Tinius Ulsen Testing Machinery Co., testing machines, etc.	1,587 80	
Superintendent's Dept., freight, $69.32; labour, $110.85; material, $9.15	189 32	
Fitting-up laboratories, etc. ($1,348.94):		
R. Robertson & Sons, foundation for testing machines	222 00	
Superintendent's Dept., labour, $742.86; material, $384.08	1,126 94	
		4,648 14

70. MINING ENGINEERING DEPARTMENT.

Supplies ($1,620.29):		
Aikenhead Hardware Ltd., hardware	$39 20	
Wm. Ainsworth & Sons, weights	23 63	
Allen Mfg. Co., laundry	6 01	
Baird & Tatlock, weights	55 16	
Prof. J. T. Burt-Gerrans, silver	9 00	
Dept. of Chemical Engineering, glass-blowing	15 00	
W. H. Cox Coal Co., coal	17 00	
Denver Fire Clay Co., crucibles, glasses, etc.	508 93	
T. Eaton Co., cans, etc	64 50	
Eimer & Amend, chemicals	25 89	
Fletcher, Russell & Co., stoppers, etc.	78 82	
Grasselli Chemical Co., chemicals	44 54	
Imperial Oil Ltd., oil	21 67	
J. T. King, petty disbursements	7 38	
Lyman Bros., filter papers	19 43	
Milne Coal Co., coal	18 75	
Morgan Crucible Co., scorifiers	117 09	
Norton Co., cement	13 04	
Ontario Lime Co., cement	6 25	
Ontario Rubber Co., tubing	13 30	
Richards Glass Co., classifiers	21 32	
T. S. Simons & Co., brushes, etc.	16 88	
Standard Foundry Co., bars	18 95	
Students' Book Dept., books	6 00	
Sturtevant Milling Co., discs	9 83	
W. S. Tyler Co., brass	14 91	
United Typewriter Co., paper	5 63	
University of Toronto Engineering Society, squares	2 80	
Varsity Cycle Works, keys	53	
J. Whitfield & Co., tempering nails	5 25	
Will Corporation, beakers	38 66	
University Press, printing and stationery	63 65	
Superintendent's Dept., freight, $157.99; labour, $50.51; material, $102.79	311 29	
Apparatus ($799.78):		
Canadian Laboratory Supplies, balance, etc.	238 08	
Dodge Mfg. Co., pulley, etc.	22 08	
Ellis Bros., watch	12 00	
Goodyear Tire & Rubber Co., belting	17 40	
W. R. McKee, repairs	13 50	
Rogers Supply Co., cement	8 98	
Sheldon's Ltd., fan	37 62	
Superior Mfg. Co., sign makers	4 69	
C. Tarling Map Mounting Co., mounting diagram	6 91	
University of Toronto Engineering Society, scales	5 00	
Petty items (2)	2 75	
Superintendent's Dept., freight, $41.89; labour, $200.74; material, $188.14	430 77	
		$2,420 07

71. METALLURGICAL ENGINEERING DEPARTMENT.

Supplies ($538.71):	
Allen Mfg. Co., laundry	4 66
Canada Metal Co., metal	16 33
Canadian General Electric Co., wire	3 29
Consolidated Mining & Smelting Co., lead bullion	31 86
Driver Harris Co., wire	13 85
Prof. G. A. Guess, chemicals	8 89
Lyman Bros. & Co., chemicals	21 30
E. Pullan, wipers	5 67
J. G. Ramsay & Co., plaster	39 27
Scientific Materials Co., chemicals	260 79
L. K. Simpson, turning	6 00
Standard Chemical Co., chemicals	9 84
A. H. Thomas Co., bulbs	2 40

71. METALLURGICAL ENGINEERING DEPARTMENTI—*Continued.*

Topley Co., carbons	$12 16	
University Press, printing and stationery	14 60	
Superintendent's Dept., freight, $66.76; labour, $4.00; material, $17.04	87 80	
Apparatus ($1060.40):		
Aikenhead Hardware Ltd., hardware	10 15	
Eimer & Amend, furnace, etc.	135 43	
Leeds & Northrup, repairs to pyrometer	590 50	
Scientific Materials Co., flasks, pumps, etc.	222 12	
A. H. Thomas Co., tub	9 65	
Ward Leonard Electric Co., rheostat	44 45	
Superintendent's Dept., freight, $26.60; labour, $21.50;	48 10	
Alterations and fitting up additional rooms ($4,257.09):		
Superintendent's Dept., labour, $2,686.43; material, $1,570.66	4,257 09	
		$5,856.20

72. SURVEYING DEPARTMENT.

Supplies ($440.22):	
Aikenhead Hardware Co., hardware	36 06
Consolidated Optical Co., repairs, etc.	191 08
Photography, Dept. of, prints	16 70
J. F. Raw Ltd., blue-prints	11 37
Prof. L. B. Stewart, petty disbursements	10 10
Students' Book Dept., books	13 40
University of Toronto, Engineering Society, stationery	3 10
J. T. Whatmough, repairs to clocks	16 00
University Press, binding	53 05
Superintendent's Dept., freight, $13.76; labour, $71.53; material, $4.07	89 36
Apparatus ($1,230.60):	
Art Metropole, land surveyors	342 54
E. W. Banting, slide rule	19 00
Buff & Buff Mfg. Co., level and tripod	125 20
Canadian Wire & Cable Co., wire, etc.	15 67
Consolidated Optical Co., meter, etc.	416 67
Instruments Ltd., tables	130 00
A. R. Williams Machinery Co., chain block	23 45
Superintendent's Dept., freight, $5.12; labour, $97.06; material, $55.89	158 07
Buildings for Summer Camp; Installation of water supply, addition to storeroom and refrigerator ($1,464.61):	
J. Austin & Sons, lumber	227 74
Bowron & Wood, freight and cartage on pump	48 14
T. Eaton Co., flag, etc.	10 00
A. Langdon, oars, etc.	112 60
J. E. Minto, board for labourers	6 80
Ontario Wind Engine & Pump Co., pump, etc.	627 60
C. Turnbull, teaming	6 50
S. W. Welsh, hardware	74 53
Wages (local workmen):	
Carpenters	303 90
Labourers	46 80
Maintenance of Summer Camp, staff, travelling expenses and miscellaneous items ($2,945.37):	
W. M. Treadgold, services, $465.00; travelling expenses, $28.15	493 15
S. R. Crerar, services, $390.63; living expenses, $48.00; travelling expenses, $31.50; sundries, $1.81	471 94
E. W. Banting, services, $351.25; living expenses, $57.05; travelling expenses, $33.00; sundries, $2.00	443 30
J. W. Melson, services, $234.37; living expenses, $112.10; travelling expenses, $39.10; sundries, $6.15	391 72
Chas. Barton, lumber	30 80
Brown & Wood, express and cartage paid	38 79
Brown & Lindop, hire of car	8 00
Dr. C. E. Frain, medical attendance to injured workman	2 00

72. Surveying Department.—*Continued.*

D. J. Hartle, hardware and cartage		$140 65	
O. Langdon, sink, etc.		41 25	
J. G. Ramsey & Co., photographs		49 93	
A. G. Spalding & Bros., repairs to quoits		4 80	
Sterling Bank of Canada, exchange		1 00	
C. Turnbull, hire of car, etc.		9 50	
John Welch, iron		4 15	
H. A. Willett, ice		6 00	
Superintendent's Dept., freight, $29.55; labour, $154.74; material, $17.38		201 67	
Wages:			
Mrs. O. F. Schrader, cook, 1 month, 18 days	$260 35		
J. E. Minto, caretaker, 3 months @ $25, $75; filling ice house, etc., $63.50	138 50		
Kitchen help:			
O. F. Schrader, 1 month, 5 days	100 35		
Mrs. E. McAllister, 1 month, 5 days	44 00		
W. R. Barry, 2 weeks	30 00		
Mrs. W. R. Barry, 2 weeks	15 00		
Mrs. T. Campbell, 5 days	7 00		
R. Kirkwood, 4 days	5 50		
Sundry labour	6 75	607 45	
		6,081 53	
Paid from Students' Account		73	
			$6,080 80

73. Chemical Engineering and Applied Chemistry Department.

Supplies ($7,943.09):	
Aikenhead Hardware Ltd., hardware	4 58
Allen Mfg. Co., laundry	6 18
American Chemical Society, subscriptions	4 50
Prof. J. W. Bain, disbursments:	
Telegrams, $11.14; laboratory supplies and sundries, $15.10	26 24
J. T. Baker Chemical Co., chemicals	311 00
Boeckh Co., brushes	40 48
British American Oil Co., wax	11 81
Canadian Carbonate Co., gas	11 12
Canadian Laboratory Supplies, chemicals	4,872 54
Canadian Metal Co., tin	25 75
Canadian National Carbon Co., carbon, etc.	6 70
Consolidated Optical Co., repairs to spectroscope, etc.	34 44
T. Eaton Co., hardware, etc.	139 31
Electric Alloy Co., wire	14 44
Eureka Mineral Wool & Asbestos Co., asbestos paper	13 85
A. S. Farman Co., balance	325 00
Freyseng Cork Co., corks	42 86
Grasselli Chemical Co., chemicals	471 12
Ingram & Bell, cabinet	16 00
L'Air Liquide Society, oxygen, etc.	79 73
Lake Simcoe Ice Co., ice	22 50
Lyman Bros., chemicals	34 87
McKay School Equipment Co., nitrometer	48 68
W. R. McKee, motors etc.	158 05
Merck & Co., chemicals	323 31
National Electric Products Ltd., valve	14 25
Nichols Chemical Co., chemicals	34 49
Photography, Dept. of, prints	25 19
C. Potter, lenses	11 00
A. Boake Roberts & Co., chemicals	37 05
Scientific Utilities Co., thermometer	20 74
Sheet Metal Products Co., pail	33 29
United Typewriter Co., paper	6 48
University Press, printing, etc.	56 85

73. Chemical Engineering and Applied Chemistry Department.—*Continued.*

Petty items (3)		$5 12	
Superintendent's Dept., freight, $77.14; labour, $286.39; material, $289.99		653 52	
Apparatus ($1,257.94):			
Beaver Flint Glass Co., fractionating column		30 90	
Canadian Laboratory Supplies, crucibles, etc.		234 61	
Adam Hilger Ltd., repolishing prism		23 70	
McKay School Equipment Co., autoclave		210 70	
W. R. McKee, rheostats		32 40	
Randall-Faichney Thermometer Co., thermometers		12 42	
Superintendent's Dept., labour, $436.98; material, $276.23		713 21	
Alterations and fitting up additional rooms ($724.73):			
Superintendent's Dept., labour, $464.15; material, $260.58		724 73	
		9,925 76	
Less sundry credits:			
Advisory Council Food Research, tubes	$5 40		
Chemistry Dept., supplies	117 33		
Mineralogy Dept., tubes	20 00		
Mining Engineering Dept., glass-blowing	15 00		
Sale of balances	60 00	217 73	
			$9,708 03

74. Electro-Chemistry Department.

(*Transferred to Chemistry, Faculty of Arts*).

75. Architecture and Drawing Departments.

(*a*) Architecture:		
Supplies ($535.57):		
Allen Mfg. Co., laundry	4 16	
Art Metropole, linen paper, etc.	54 76	
The Bursar, postage supplied	10 00	
E. Harris Co., paints, etc.	83 89	
Ontario Lime Co., plaster	42 63	
Photography, Dept. of, prints	134 40	
Students' Book Dept., books	37 55	
Toronto Wood Turning Works, wood-turning	7 00	
United Typewriter Co., inspections	5 25	
University Press, printing and stationery	64 35	
Petty items (8)	9 42	
Superintendent's Dept., labour, $39.87; material, $12.62	52 49	
Sundry subscriptions:		
Architectural Forum	7 06	
Architectural Record Co.	3 77	
International Studies	12 74	
C. Scribner's Sons	6 10	
Apparatus ($381.67):		
Woodbridge Co., gypsum board	20 46	
Superintendent's Dept., labour, $213.85; material, $147.36	361 21	
Assistance and models for life classes ($50.00):		
Prof. C. H. C. Wright, reimbursement for payments made	50 00	
	967 24	
(*b*) Drawing:		
Supplies ($289.11):		
Art Metropole, tracing paper	80 99	
B. Cairns Ltd., string	50	
City Storage Co. Ltd., cartage	13 00	
T. Eaton Co., cotton, etc.	9 80	
Photography, Dept. of, prints	11 55	
Students' Book Dept., books	14 15	
United Typewriter Co., paper, etc.	18 61	

75. Architecture and Drawing Department.—*Continued.*

University of Toronto Engineering Society, stationery	$9 60	
University Press, stationery and printing	35 30	
Superintendent's Dept., labour, $60.56; material, $35.05	95 61	
Apparatus ($186.51):		
Students' Book Dept., books	18 80	
United Typewriter Co., typewriter	122 70	
Superintendent's Dept., labour, $24.77; material, $20.24	45 01	
Printing Instruction Sheets ($135.65):		
United Typewriter Co., duplication	130 00	
University Press, printing	5 65	
New drafting tables and fitting up ($106.08):		
Superintendent's Dept., labour, $66.54; material, $39.54	106 08	
		$1,684 59

76. Engineering Physics and Photography.

(*a*) Engineering Physics:	
Supplies ($211.35):	
Eimer & Amend, chemicals	11 24
Hardware Co. of Toronto, hardware	20 47
G. M. Hendry Co., barometers	63 64
Lake Simcoe Ice Co., ice	5 25
Lyman Bros. & Co., mercury	10 09
White & Thomas, canopier	8 24
Superintendent's Dept., freight, $77.71; labour $14.71	92 42
Apparatus ($504.03):	
Bausch & Lomb Optical Co., Mangin mirrors	12 39
R. & J. Beck, Ltd., lumeter	94 46
Canadian General Electric Co., stereopticon	38 69
Canadian Westinghouse Co., candle meter	40 60
Consolidated Optical Co., lenses	90 95
Foote, Pierson & Co., lamps	3 95
McKay School Equipment Co., blackboard	35 28
C. Potter, oxygen	6 00
Queen-Gray Co., photometer	97 14
Roller, Smith Co., voltmeter	38 06
White & Thomas, testing apparatus	30 90
Superintendent's Dept., freight, $7.68; material, $7.93	15 61
	715 38
(*b*) Photography:	
Supplies ($1,098.78):	
Ansco Co., paper, etc.	13 39
Art Metropole, paper	3 84
Canadian General Electric Co., electric supplies	26 63
Canadian Kodak Co., plates, etc.	485 10
C. F. Cole Co., paper	55 86
Defender Photo Supply Co., photographic supplies ..	12 88
T. Eaton Co., binding strips, etc.	29 00
Lyman Bros., chemicals	69 73
Photostat Corporation, developer	4 76
Ramsay & Taylor, paper	71 48
J. G. Ramsey Co., paper, etc.	91 10
United Typewriter Co., stencil, etc.	17 55
Wells Bros., rewinder	10 50
White & Thomas, shades	20 60
University Press, printing and stationery	26 65
Petty items (2)	2 84
Superintendent's Dept., labour, $114.91; material, $41.96	156 87
Apparatus ($1,957.19):	
Canadian General Electric Co., stereopticon	38 69
Cooper-Hewitt Electric Co., fixtures, etc.	179 85
T. Eaton Co., cameras	189 40
Hughes, Owens Co. Ltd., lamps, etc.	49 43
Lockhart's Camera Exchange, cameras	62 00
Photostat Corporation, photostat, lens, etc.	961 43

76. Engineering Physics and Photography.—*Continued.*

Wickes Bros., blue-print work	$472 60	
Superintendent's Dept., labour, $1.34; material, $2.45	3 79	
	3,771 35	
Less received for work done for various departments (including Accounts Receivable $149.26)	1,277 04	
		$2,494 31

77. General Expenses.

Stationery, printing and office supplies ($2,186 98):		
D. A. Balfour Co., carbon	16 76	
S. G. Bennett, disbursements:		
Telegrams, $25.44; sundries, $7.43	32 87	
The Bursar, postage supplied	251 00	
Grand & Toy Ltd., desk trays	13 00	
S. R. Hart & Co., cards	100 89	
Mackenzie & Co., portrait supplies	25 20	
Might Directories, directory	15 00	
Dean Mitchell, expenses to survey camp	10 90	
Munson Supply Co., keys for typewriter	15 25	
Photography, Dept. of, slides and prints	15 15	
Ryrie Bros., repairs to clock	6 50	
Students' Book Dept., books	3 00	
United Typewriter Co., typewriter, etc.	143 61	
University of Toronto Engineering Society, stationery	1 63	
University Press, printing and stationery	1,529 76	
Superintendent's Dept., freight, etc., $5.33; labour, $1.13	6 46	
Clerical assistance ($1,132.01):		
Miss D. Birkett, 43-5/6 weeks @ $20	876 67	
Miss R. J. Elliott, 4½ weeks @ $18	81 00	
Miss Stinson, 1 day	3 34	
Miss I. Turner, 9½ weeks @ $18	171 00	
Messenger service ($518.66):		
T. Bishop, 6-2/3 weeks @ $8.00; 2-1/3 weeks @ $10	76 66	
V. Brown, 33½ weeks @ $10.00; 7-1/6 weeks @ $12	419 33	
R. Harvie, 2-5/6 weeks @ $8.00	22 67	
		3,837 65
		289,284 94

V. FACULTY OF HOUSEHOLD SCIENCE.

78. Salaries.

Household Science Department ($8,320.00):		
Miss A. L. Laird, Associate Professor, 12 mos. to 30 June (with rooms, heat and light valued @ $280)	3,720 00	
Lecturers:		
Miss H. Hill, 6 mos. to 31 December (resigned)	1,050 00	
Mrs. F. J. Nethercott (Easter Term)	1,050 00	
Instructors (Sessional):		
Miss F. Graper	1,400 00	
Miss E. W. Park	1,100 00	
Paid from Massey-Treble Bequest:		
Lecturers (Sessional):		
Miss E. M. Hickmans	2,100 00	
Miss B. Harris	2,000 00	
Miss H. R. Coatsworth, Research Worker and Laboratory Assistant (Sessional)	1,000 00	
	13,420 00	
Charged to Massey-Treble Bequest	5,100 00	
	8,320 00	

78. SALARIES.—*Continued.*

Food Chemistry Department ($5,270.00):			
Dr. C. C. Benson, Associate Professor, Physiological Chemistry (also Secretary to Faculty) 12 mos. to 30 June (with rooms, heat and light valued @ $280)		$3,720 00	
Instructors (Sessional—part time):			
Miss C. M. Harwood		500 00	
Miss M. C. Galt		400 00	
Miss R. M. Neville, Assistant (Sessional)		650 00	
			$13,590 00

79. HOUSEHOLD SCIENCE BUILDING AND DEPARTMENT.

(*a*) Maintenance of Building:			
Heat and light (supplied from Central Power Plant):			
Gas, city current and occasional fuel ($199.30):			
Consumers' Gas Co.		199 30	
Water ($199.99):			
City Treasurer		199 99	
Caretaker's supplies ($149.41):			
Superintendent's Dept., labour, $5.94; material, $143.47		149 41	
Cleaning ($1,916.60):			
Canadian Cleaning Co., cleaning windows		30 00	
Superintendent's Dept., labour		1,886 60	
Repairs and renewals ($1,993.42):			
City Treasurer, elevator license		5 00	
Johnson Temperature Regulating Co., repairs		35 09	
Patterson & Heward, brass signs		72 00	
Superintendent's Dept., labour, $1,375.43; material, $505.90		1,881 33	
Sundries ($436.42):			
Superintendent's Dept., labour, $289.27; material, $147.15		436 42	
Caretaker:			
F. Hanmer, 3 months (with house, heat and light) ...		250 00	
D. Forbes, 9 months (with house, heat and light)		750 00	
		5,895 14	
Less sundry credits:			
Cleaning	26 75		
Light	20 00		
Sundries charged to Massey-Treble Bequest	436 42	483 17	
			$5,411 97
(*b*) Maintenance of Departments:,			
(1) Household Science:			
Laboratory supplies ($575.47):			
Canadian Laboratory Supplies, ...		4 24	
Canadian Milk Products Ltd., milk		25 03	
T. Eaton Co., towelling and felt		15 18	
Farmers' Dairy Co., milk		31 08	
Harris Abattoir Co., meat, etc.		13 65	
Geo. M. Hendry Co., glassware		78 26	
Miss A. L. Laird, petty disbursements		11 64	
Lever Bros. Ltd., soap		17 76	
Lyman Bros. & Co., chemicals		27 18	
A. Martin & Co., provisions		21 84	
Munson Supply Co., key caps		5 00	
A. Proven, groceries		320 56	
University Press, stationery		4 05	
Laboratory attendance ($1,053.00):			
Mrs. Bowes, 9¾ months @ $54		526 50	
Miss Conacher, 9¾ months @ $54		526 50	
Equipment and incidentals ($146.00):			
Aikenhead Hardware Ltd., hardware		10 80	
T. Eaton Co., wringers		19 70	
Geo. M. Hendry Co., balances		68 60	

79. HOUSEHOLD SCIENCE BUILDING AND DEPARTMENT.—*Continued.*

United Typewriter Co., inspection	$6 00	
University Press, stencil	4 15	
Superintendent's Dept., freight, 75c.; labour, $27.32; material, $8.68	36 75	
	1,774 47	
Less credit for breakages	27 71	
		$1,746 76
(2) Food Chemistry:		
Maintenance ($668.52):		
Dr. C. C. Benson, disbursements:		
Laboratory supplies and sundries, $39.76; cleaning materials, $8.71	48 47	
British American Oil Co., petroleum ether	4 06	
Canadian Laboratory Supplies, chemicals, flasks, etc.	195 09	
J. S. Chapman, repairs to doors and cabinet	4 41	
Consolidated Optical Co., repairs to balances	56 00	
T. Eaton Co., towelling	31 44	
H. N. Eliner, bag	43 02	
Wm. Gaertner & Co., scales, etc.	2 34	
Grasselli Chemical Co., chemicals	9 03	
Ingram & Bell, syringe	5 50	
Lyman Bros & Co., chemicals	18 90	
Merck & Co., chemicals	38 54	
Physiology Dept., motor gears, burettes, etc.	126 81	
Pyrolectric Instrument Co., apparatus	8 73	
A. H. Thomas Co., meter	39 05	
Superintendent's Dept., freight, $4.97; labour, $25.22; material, $6.86; sales tax, 8c.	37 13	
Laboratory attendance ($298.45):		
Mrs. E. Lawrence, 20 weeks @ $9.75; 19½ hours @ 30c.	215 85	
Mrs. C. Fields, 25 days @ $2.40; 1 day @ $2.50; 30 2/3 hours @ 30c.	71 70	
Mrs. Tipping, 24 hours @ 30c.	7 20	
Mrs. Conley, 1 day	2 50	
Mrs. Barker, 4 hours @ 30c.	1 20	
	966 97	
Less credit for breakages	105 02	
		$861 95
(3) General Expenses:		
Stationery, printing, office supplies and incidentals ($119.55):		
The Bursar, postage supplied	52 00	
University Press, stationery	67 55	
Clerical assistance ($600.00):		
Miss M. Gould, 12 weeks @ $18	216 00	
Miss M. Jackes, 11 4/6 weeks @ $18	210 00	
Miss B. Cross, 9 2/3 weeks @ $18	174 00	
		$719 55
		$22,330 23

VI. FACULTY OF FORESTRY.

80. SALARIES.

C. D. Howe, Dean and Professor, 12 months to 30 June	$5,000 00	
Associate Professors, each 12 months to 30 June:		
J. H. White	3,750 00	
W. N. Millar	3,750 00	
Miss E. W. Mills, Secretary in Dean's Office, 12 months to 30 June	1,200 00	
		$13,700 00

81. Forestry Building and Department.

(*a*) Maintenance of Building:		
Fuel ($1,715.17):		
W. H. Cox Coal Co., fuel	$1,613 67	
Britnell Contracting Co., teaming	101 50	
Light ($525.96):		
Consumers' Gas Co.	177 62	
Toronto & Niagara Power Co.	348 34	
Water ($105.21):		
City Treasurer	105 21	
Caretaker's supplies ($76.06):		
Superintendent's Dept., labour, $4.08; material, $71.98	76 06	
Cleaning ($502.84):		
Allan Mfg. Co., laundry	24	
Canadian Cleaning Co., cleaning windows	7 00	
Superintendent's Dept., labour	495 60	
Repairs and renewals ($443.79):		
Superintendent's Dept., labour, $251.77; material, $192.02	443 79	
Caretaker, George Ward, 12 months to 30 June	1,200 00	
	4,569 03	
Less credit for lighting	2 00	
		$4 567 03
(*b*) Maintenance of Department:		
Laboratory supplies ($713.29):		
Canadian Laboratory Supplies, tubing	35 32	
Canadian Northern Railway, express charges	5 29	
H. G. Dillemuth, plants	10 00	
Dominion Glass Co., jars	2 06	
Prof. C. D. Howe, petty disbursements	6 90	
Ingram & Bell, chemicals	6 60	
Lyman Bros., chemicals	7 03	
Miss Edith W. Mills, petty disbursements	2 50	
McKay School Equipment, slide rules	30 21	
Office Specialty Mfg. Co., filing cases	7 36	
W. F. Petry, lumber	20 20	
Photography, Dept. of, slides	52 00	
Louis V. Schmidt, specimens	44 12	
Students' Book Dept., books	41 92	
J. C. Veners, specimen	10 00	
Jas. White, specimens	14 40	
Prof. J. H. White, disbursements for laboratory supplies	9 42	
University Press, printing	3 20	
Petty items (2)	2 24	
Superintendent's Department, labour, $243.39; material, $159.13	402 52	
Apparatus ($889.97):		
C. F. Cole Co., paper	4 78	
Geo. M. Henry Co., map mounting	49 00	
Keuffel & Esser Co., levels, etc.	662 29	
McKay School Equipment, microscope	58 36	
Patterson & Heward, caliper beams	18 54	
Louis V. Schmidt, specimens	16 30	
Topley Co., lamp	11 00	
Wood, Vallance Ltd., hardware	31 49	
Superintendent's Dept., freight, $23.76; labour, $14.45	38 21	
Office supplies, etc. ($636.36):		
The Bursar, postage supplied	37 50	
Lowe-Martin Co., transfer cases	35 55	
Macey Office Equipment, folders	4 95	
Miss Edith W. Mills, petty disbursements, office and incidentals	13 97	
S. L. McLaurin, cartage	2 78	
Office Specialty Mfg. Co., card sections, etc.	91 72	
Geo. A. Retan, books	4 23	
Society of Amercian Foresters, books	31 75	
O. B. Stanton & Wilson Co., paper	2 75	

81. Forestry Building and Department.—*Continued.*

Students' Book Dept., books	$9 50	
Superintendent of Documents, Washington, agricultural bulletins	3 12	
United Typewriter Co., rent of machine and inspection	27 50	
J. Very & Son, cartage	4 00	
University Press, printing	352 40	
Superintendent's Dept., freight, etc., $10.69; labour, 75c.; material, 90c.; long distance telephone calls, $2.30	14 64	
Practice Camp supplies, travel, etc. ($1,085.26):		
Dean C. D. Howe, extra services in connection with camp	322 00	
Prof. W. N. Millar, extra services in connection with camp	135 42	
Prof. J. H. White, extra services in connection with camp	177 08	
Prof. W. N. Millar, sundry disbursements: Travelling expenses: Faculty, $104.75; students, $24.45; transportation of equipment and provisions, $114.28; cook's wages, August 29 to October 11, $161.38, meals, $86.55; equipment and supplies, $70.98; provisions, $66.74; honorarium to C. E. Hindson, Chief Fire Ranger, Temagami Forest Reserve, $50; sundries, $12.05 = $691.18; less students' share of expenditures, $665.25	25 93	
T. Eaton Co., provisions	416 61	
Keuffel & Esser, field note books	8 22	
Special Lectures ($49.10):		
W. Kynoch	29 10	
A. J. Connor	20 00	
Laboratory assistance ($462.73):		
Miss K. Jamieson, 10 1/3 weeks @ $18	186 00	
Miles Burford, 172 hours @ 75c.	128 98	
Miss E. A. Ash. 4 5/6 weeks at $18	87 00	
K. A. Stewart, 44 hours @ 75c.	33 00	
J. L. Van Camp, 30 hours @ 75c.	22 50	
J. R. Walton, 7 hours @ 75c.	5 25	
		3,836 71
		22,103 74

VII. 82. Faculty of Music.

Honoraria to Dean and Lecturers ($1,250.00):		
Dr. A. S. Vogt, Dean	$250 00	
Dr. F. A. Mouré, University Organist, and Lecturer on History of Music (paid also as Bursar)	250 00	
Dr. Healey Willan, Lecturer on Theory of Music	250 00	
Dr. Albert Ham, Lecturer on Church Music	250 00	
H. A. Fricker, Lecturer on Choral and Orchestral Music	250 00	
Secretarial allowance ($200.00):		
Miss A. W. Patterson (paid also as President's Secretary)	200 00	
Printing calendar, postage and incidental expenses ($198.15):		
The Bursar, postage supplied	30 00	
Nordheimer Piano & Music Co., rent of piano and cartage	20 00	
University Press, printing and stationery	148 15	
		1.648 15

VIII. SOCIAL SERVICE.

83. Salaries.

J. A. Dale, Professor and Director of Department, 12 months to 30 June	4,800 00
Miss A. C. McGregor, Director of Field Work, 12 months to 30 June	1,800 00
Miss K. Anderson, Secretary-Librarian, 12 months salary	1,000 00

83. SALARIES.—*Continued.*

Lecturers:		
F. N. Stapleford	$500 00	
P. R. Hayward	300 00	
E. J. Pratt	300 00	
P. Bryce	200 00	
N. L. Burnette	200 00	
E. K. Clarke	200 00	
Miss F. Emory	200 00	
Miss A. F. Hodgkins	200 00	
J. W. MacMillan	200 00	
H. L. Brittain	100 00	
Mrs. L. A. Dunington-Grubb	100 00	
A. MacLaren	100 00	
Miss M. McPhedran	100 00	
		$10,300 00

84. SOCIAL SERVICE BUILDING AND DEPARTMENT.

(*a*) Maintenance of Building:		
Fuel ($700.00):		
W. H. Cox Coal Co., fuel	647 50	
Britnell Contracting Co., teaming	52 50	
Light ($23.15):		
Consumers' Gas Co.	23 15	
Water ($21.98):		
City Treasurer	21 98	
Caretaker's supplies ($72.06):		
Superintendent's Dept., labour, $33.44; material, $38.62	72 06	
Cleaning ($102.80):		
Canadian Cleaning Co., cleaning windows	8 40	
Superintendent's Dept.. labour	94 40	
Repairs and renewals ($436.66):		
Adams Furniture Co., chairs	21 60	
A. Norton, wiring chairs	7 20	
Superintendent's Dept., labour, $284.90; material, $122.96	407 86	
Caretaker, R. Brown, 12 months to 30 June (with rooms, heat and light valued at $300)	800 00	
		2,156 65
(*b*) Maintenance of Department:		
Office supplies, printing, postage and incidentals ($488.77):		
R. Brown, attendant at tea	3 00	
The Bursar, postage supplied	95 00	
Prof. J. A. Dale, disbursements:		
Telegrams, stationery and sundries	25 93	
Miss G. Gibb, pianist's services	24 00	
Macey Office Equipment Co., guides, indexes, etc.	28 10	
Photography, Dept. of, slides, $4.00; lantern operator, $11.50	15 50	
United Typewriter Co., inspections	6 75	
Sundry newspapers, advertising	17 70	
University Press, printing and stationery	152 05	
Superintendent's Dept., labour, $65.88; material, $54.86	120 74	
Special lectures, etc. ($432.50):		
Albert Mansbridge	150 00	
Prof. I. B. S. Holborn	125 00	
Prof. J. H. Muirhead	55 00	
Gilbert Ayar	50 00	
J. Wicksey, attendance	2 50	
Miss A. C. McGregor, travelling expenses	50 00	
Books ($144.59):		
Judge Baker Foundation	10 19	
Students' Book Dept.	134 40	
		1,065 86
		13,522 51

IX. UNIVERSITY EXTENSION AND PUBLICITY.

85. Salaries.

W. J. Dunlop, Director, 12 months to 30 June	$4,000 00	
Miss H. M. Latter, Secretary, 12 months to 30 June	1,500 00	
Stenographers:		
Miss H. I. Stratton, 1 July to 31 Oct. at $1,300 per annum (resigned)	433 33	
Miss A. M. Belton, 1 Nov. to 30 June at $1,050 per annum	700 00	
B. W. Sharpe, 1 January to 30 June at $1,050 per annum	525 00	
		$7,158 33

86. Extension and Publicity Departments.

(1) Extension:	
(a) Summer Session 1921 ($1,988.36):	
Remuneration to Instructors:	
J. W. Bridges	300 00
F. C. A. Jeanneret	150 00
J. W. McArthur	300 00
H. S. McKellar	300 00
M. Moraud	150 00
W. S. Wallace	300 00
R. Hodder Williams	300 00
Expenses:	
J. W. Bridges, expenses from Ohio	100 00
W. J. Dunlop, disbursements *re* picnic	29 86
Hydro-Electric Power Commission, rental of moving picture equipment	50 00
Attendant and lantern operator	5 50
Superintendent's Dept., labour	3 00
(b) Correspondence Courses ($1,178.00):	
Remuneration to Instructors:	
Faculty Entrance, Normal Entrance and Commerce ($726.00):	
Wm. Baird	18 00
J. A. Buchanan	8 00
J. O. Carlisle	83 00
G. A. Cline	80 00
W. C. Ferguson	168 00
H. A. Grainger	65 00
W. J. Lougheed	47 50
J. F. Van Every	70 50
Wm. Ward	15 00
W. H. Williams	101 00
J. G. Workman	70 00
Arts Course ($452.00):	
C. E. Auger	12 00
E. A. Bott	12 00
J. Home Cameron	6 00
W. H. Clawson	163 00
H. A. Innis	43 00
H. S. McKellar	138 00
G. C. Patterson	6 00
R. B. Thomson	72 00

(c) Local Lectures ($370.00):

	Total Payments.	Fees and Expenses Paid by Local Centres.	
Dr. R. G. Armour	$30 00	$30 00	
J. B. Brebner	5 00	5 00	
J. W. Bridges	15 00	15 00	
Dr. Harvey Clare	10 00	10 00	
W. H. Clawson	30 00	25 00	
W. A. Clemens	23 40	5 00	$8 40
A. P. Coleman	37 25	15 00	12 25
G. A. Cornish	121 20	30 00	61 20
E. A. Dale	22 90	5 00	7 90
St. E. De Champ	18 55	5 00	8 55

86. EXTENSION AND PUBLICITY DEPARTMENTS.—*Continued.*

	Payments.	Paid by Local Centres.	
	Total	Fees and	Expenses
A. T. De Lury	$16 95	$5 00	$6 95
C. R. Fay	27 00	......	27 00
Dr. J. G. Fitzgerald .	17 60	5 00	7 60
J. H. Horning	5 00	......	......
L. E. Horning	74 25	20 00	29 25
Dr. G. Howland	15 00	15 00	......
J. G. Hume	15 00	......	......
M. Hutton	125 40	35 00	55 40
W. T. Jackman	93 85	30 00	33 85
G. E. Jackson	41 00	15 00	11 00
G. M. Jones	38 25	10 00	18 25
D. R. Keys	150 90	40 00	55 90
R. S. Knox	15 50	5 00	5 50
Miss J. C. Loudon ..	10 00	10 00	......
R. M. MacIver .. .	77 40	15 00	47 40
H. S. McKellar	58 05	15 00	28 05
W. Pakenham	15 00	5 00	5 00
W. A. Parks	13 00	5 00	3 00
E. J. Pratt	14 00	5 00	4 00
P. Sandiford	39 00	20 00	9 00
C. B. Sissons	29 25	10 00	9 25
G. O. Smith	5 00	......	......
Sir F. Stupart	12 50	10 00	2 50
M. W. Wallace	15 00	5 00	5 00
W. S. Wallace	16 80	5 00	6 80
W. M. Whitelaw	30 95	15 00	5 95
R. Hodder Williams.	5 00	5 00	......
G. M. Wrong	5 00	5 00	......
H. H. Wrong	5 00	5 00	......
C. R. Young	12 50	5 00	2 50
	1,312 45	465 00	477 45
Paid by Local Centres	942 45	......	......
Paid by University			370 00

(d) Courses for Workers' Educational Association ($3,467.09):

Workers' Educational Association, towards payment of Instructors	1,500 00
Honoraria paid direct:	
Dr. H. E. Amoss	200 00
V. W. Bladen	200 00
S. A. Cudmore	200 00
F. F. Macpherson	200 00
Dr. Edward Sapier	200 00
Dr. Adam Shortt	200 00
C. R. Fay	60 00
Travelling expenses:	
V. W. Bladen	90 45
W. B. Kerr	107 32
Sundry attendance:	
R. Brown	72 00
E. Claringbold	10 75
D. J. Clark	2 00
University Press, printing	1 95
Superintendent's Dept., labour, $313.62; material, $109.00	422 62

(*e*) Tutorial Classes ($3,643.72):

Instructors:	
J. W. Bridges	300 00
E. A. Dale (including expenses, $12.60)	102 60
C. R. Fay	285 00
Miss N. H. C. Ford	75 00
E. Goggio	120 00

86. EXTENSION AND PUBLICITY DEPARTMENTS.—*Continued.*

L. E. Horning	$300 00
F. C. A. Jeanneret	300 00
G. M. Jones	180 00
R. S. Knox (including expenses, $90.80)	390 80
W. S. McLay (including expenses, $64.90)	164 90
E. Newton	100 00
H. B. Sifton (including expenses, $86.67)	386 67
W. M. Whitelaw (including expenses, $25.35)	245 35
Miss G. E. Wookey	300 00
Sundry expenses:	
F. W. Borebank, attendance	34 00
D. J. Clark, attendance	17 00
Mrs. Fairbrass, attendance	30 75
University Press, printing	11 65
(*f*) Short Winter Course ($396.47):	
W. H. Greaves, remuneration for lectures	40 00
E. J. Pratt, remuneration for lectures	20 00
Craig Hamilton, services of orchestra	25 00
Secretary-Treasurer, Hart House, dinner	42 10
Burwash Hall, use of hall	20 00
Heintzman & Co., use of piano	7 00
R. P. Morrison & Co., refreshments	40 00
Miss Grace Norris, drawing	15 00
Photography, Dept. of, prints, lantern operator, etc.	8 70
M. H. Staples, outlay for Special Instructors, expenses *re* meeting, etc.	38 95
University Press, printing and stationery	101 40
Superintendent's Dept., labour, $16.32; material, $1.50	17 82
Sundry attendance, lantern operating, etc.	20 50
(*g*) Short Course in Journalism ($391.75):	
Instructors:	
W. J. Alexander	90 00
J. R. Bone	30 00
A. R. Clute	60 00
Dr. J. G. Fitzgerald	45 00
Dr. J. J. Middleton	15 00
Dr. Geo. D. Porter	15 00
J. C. Ross	15 00
G. M. Wrong	75 00
Geo. Coles Ltd., catering	40 00
University Press, printing	6 75
(*h*) Short Course in Civics and Town Planning ($94.80):	
N. Couchon, remuneration for lectures	30 00
W. D. Cromarty, remuneration for lectures	30 00
Secretary-Treasurer, Hart House, class dinner, accommodation, etc.	30 00
Photography, Dept. of, slides	4 80
(*i*) Office expenses ($1,749.41):	
Clerical assistance:	
Miss A. M. Belton, 4 weeks @ $20	80 00
Miss F. M. Dunlop, 4 1/3 weeks @ $18	78 00
Miss D. Macgowan, 2 5/6 weeks @ $15	57 50
B. W. Sharpe, 6 weeks @ $18, $108.00; 11 days @ $3.00, $33.00	141 00
Miss L. Mason, occasional	21 00
C. K. Walton, occasional	15 00
Geo. Walton, occasional	17 20
Stationery, printing, office supplies and incidentals:	
The Bursar, postage supplied	200 12
W. J. Dunlop, petty disbursements	22 90
T. Eaton Co., clock and frame	29 35
Grand & Toy, stationery	21 60
A. Humphries, addressing envelopes	2 00

86. EXTENSION AND PUBLICITY DEPARTMENTS.—*Continued.*

Multipost Co., stamp machine	$45 45	
Office Specialty Mfg. Co., desks, trays, etc.	201 33	
Photography, Dept. of, enlargements	9 50	
Toronto Weekly Railway & Steamboat Guide, subscription	6 00	
United Typewriter Co., typewriter, etc.	173 35	
University Press, printing and stationery	600 35	
Petty items (2)	3 00	
Superintendent's Dept., labour, $16.29; material, $8.47	24 76	
		$13,279 60

(2) Publicity:

(*a*) Announcements of special events, public lectures, short courses, sundry advertisements, ($1,151.26):

Canadian Engineer	20 00
The Contractor	3 00
Evening Telegram	163 48
Farmers' Sun	42 50
Globe Printing Co.	252 38
Mail Printing Co.	153 54
Ottawa Farm Journal	21 12
Ottawa School Trustees & Ratepayers' Association	20 00
Saturday Night	71 80
The School	135 00
Toronto Star	201 46
University Press, printing	66 98

(*b*) Advertisements in journals and periodicals ($899.94):

Acta Victoriano	20 00
Blue & White Magazine	5 00
Canadian Forum	30 00
Canadian Historical Review	20 00
Canadian Medical Association	44 50
Canadian Review Co.	50 00
The Classic, Statford Normal School Year Book	5 00
College Times	10 00
Copp Clark Co.	20 00
The Goblin	30 00
Heaton's Agency	25 00
Ontario Catholic Year Book and Directory	15 00
Patches	10 00
The School	90 00
Separate Public Schools' Review	15 00
St. Andrew's College Review	15 00
St. Michael's College Year Book	20 00
Torontonensis	60 00
Toronto Normal School Year Book	5 00
Trinity College School Record	6 00
Trinity University Review	20 00
University of Toronto Monthly	244 44
University of Toronto Y.M.C.A.	22 00
The Varsity	75 00
Westman Press Ltd.	28 00
Wycliffe Magazine	15 00

(*c*) Issue of University bulletins and items for newspapers, and other forms of publicity ($3,562.46):

Printing and distribution of bulletins, etc:

The Bursar, postage supplied	212 00
Canadian Historical Review, postage supplied	11 00
Receiver-General of Canada, postage *re* mailing of bulletins	156 00
University Press, printing	1,044 40
Petty items (4)	7 50
Superintendent's Dept., labour, $552.31; material, $264.12	816 43

86. Extension and Publicity Departments.—*Continued.*

Operating telescopes for public observation:		
H. J. Balmer	$2 00	
C. A. Crooks	6 00	
J. Dandy @ $2.00 per night	2 00	
J. H. Horning	16 00	
J. A. Pearce	4 00	
Exhibit at Canadian National Exhibition:		
Prof. E. F. Burton, petty disbursements	2 00	
Canadian National Exhibition Electrician's Dept., power	17 90	
Prof. C. A. Chant, travelling expenses	19 25	
T. Eaton Co., frame	3 55	
Furness & Rogers, temporary insurance	33 00	
Moss & Stocks Electric Co., wiring	92 16	
J. Frank Raw Ltd., blue-print	6 65	
Robinson & Heath, freight on shipment	152 89	
E. L. Ruddy Co., lettering signs	123 60	
Robt. Simpson Co., rent of plants, etc.	114 00	
Toronto Hydro-Electric System, service, etc.	2 88	
Freight charges	45 60	
Assistance and caretaking:		
W. E. Dean, caretaker, 202½ hours @ 40c.	81 00	
C. A. Peachy, 85½ hours @ 40c., $34.20; expenses, 72c.	34 92	
J. A. Pearce, 30 hours @ $1.50	45 00	
G. M. Shrum, 120 hours @ $1.50	180 00	
E. R. Slade, 40 hours @ 75c., $30.00; expenses, $44.19	74 19	
J. Ward, 48 hours @ 80c., $38.60; expenses, $43.94	82 54	
J. Young, 30 hours @ 80c.	24 00	
J. F. T. Young, 100 hours @ $1.50	150 00	
(*d*) Travelling expenses of organizers and speakers ($98.05):		
W. J. Dunlop, travelling expenses	98 05	
	5,711 71	
Less sundry credits:		
Bulletins, $16.75; advertisements, $47.88	64 63	
		$5,647 08
		26.085 01

X. RESIDENCES.

87. Men's Residences.

Heat and light (supplied from Central Power Plant):		
Gas and occasional fuel ($133.50):		
W. H. Cox Coal Co., fuel	133 50	
Water ($245.44):		
City Treasurer	245 44	
Caretaker's supplies ($547.45):		
Superintendent's Dept., labour, $5.74; material, $541.71	547 45	
Cleaning and house service ($6,982.02):		
Allen Mfg. Co., laundry	400 26	
Puritan Laundry Co., laundry	294 72	
Superintendent's Dept., labour	6,287 04	
Repairs and renewals ($3,119.08):		
Mrs. M. Phoenix, repairing linen	14 95	
Routery Bros. plastering	125 30	
Superintendent's Dept., labour, $2,390.09; material $588.74	2,978 83	
	11,027 49	
Less sundry credits (repairs)	91 41	
		10.936 08

88. WOMEN'S RESIDENCES.

(*a*) Maintenance of buildings (including 4, 7, 9 and 100 Queen's Park, and 94 St. George St.):		
Fuel ($4,852.57):		
W. H. Cox Coal Co., fuel	$4,434 86	
Britnell Contracting Co., teaming	413 58	
Superintendent's Dept., labour	4 13	
Light ($841.24):		
Consumers' Gas Co.	535 61	
Toronto Hydro-Electric System	56 92	
Toronto & Niagara Power Co.	248 71	
Water ($423.15):		
City Treasurer	423 15	
Repairs and renewals ($5,386.51):		
R. Robertson & Sons, doorway	31 25	
Routery Bros., repairs to plastering	54 85	
Superintendent's Dept., labour, $3,737.24; material, $1.563.17	5,300 41	
	11,503 47	
Less credit from Argyll House Committee	625 00	
		$10,878 47
(*b*) Housekeeping Account (Queen's Hall and Annexes):		
Provisions and housekeeping expenses ($11,426.98):		
Armstrong & Paffard Ltd., groceries	1,064 95	
Campbell Flour Mills Co., flour	4 85	
Canada Bread Co., bread	574 84	
Christie, Brown Co., biscuits	14 33	
City Dairy Co., ice cream	118 02	
Geo. Coles Ltd., ice cream and confectionery	396 16	
Wm. Dawson & Sons, magazines	6 50	
T. Eaton Co. Ltd., groceries	166 09	
Farmers' Dairy Co., milk and cream	1,147 10	
The Globe, subscription	6 00	
Gourlay, Winter & Leeming, rent of piano	124 50	
Gunn's Ltd., meat	459 72	
Harris Abattoir Co. Ltd., meat	3,003 53	
Samuel Harris, meat and provisions	105 02	
H. J. Heinz Co., pickles	38 21	
Lake Simcoe Ice Supply Co., ice	132 20	
Miss L. Livingstone, disbursements:		
Postage and stationery, $27.10; utensils, sharpening knives, etc., $7.79; sundries, $28.72	63 61	
A. A. McKinnon, provisions	453 10	
J. J. McLaughlin Ltd., beverages	7 44	
Maple Leaf Milling Co., flour	83 40	
Paul Mulligan, subscriptions	6 52	
J. A. Simmers, Ltd., seeds	7 50	
Robt. Simpson Co. Ltd., groceries, etc.	83 10	
J. Sloan & Co., groceries	799 29	
Students' Book Dept., cards	9 00	
A. Thompson & Son, fruit and provisions	515 58	
Todhunter, Mitchell & Co., coffee	201 27	
White & Co., provisions	861 56	
Whyte Packing Co., provisions	900 39	
University Press, printing and stationery	71 10	
Petty items(2)	2 10	
Cleaning and house service ($7,681.29):		
Baillie's Laundry, laundry	108 13	
Canadian Cleaning Co., cleaning windows	31 00	
Evening Telegram, advertising for help	1 80	
A. H. Harraden, cleaning rugs	9 62	
Harron's Dye Works, cleaning curtains	20 00	
A. James, cleaning cushion covers	19 05	
Parisian Laundry Co., laundry	814 37	
Powell's Laundry, laundry	21 60	

88. Women's Residences.—*Continued.*

Superintendent's Dept., labour, $10.00; material, $170.81	$180 81	
Pay lists, wages of servants, maids, etc.	6,474 91	
Furnishings, dishes and sundries ($717.51):		
J. & J. Carson, sheets	40 45	
Cassidy's Ltd., dishes	207 95	
T. Eaton Co. Ltd., towelling, sheeting, etc.	280 63	
Murray-Kay Co., aprons, etc.	13 64	
Rice Lewis & Son, kettle	4 85	
Robt. Simpson Co. Ltd., linoleum, chintz, etc.	104 35	
John Sloan & Co., glass jars	16 59	
Geo. Sparrow & Co., boiler, etc.	15 55	
W. J. Wilson, repairing furniture	8 50	
Wrought Iron Range Co., pan, boiler, etc.	25 00	
	19,825 78	
Less sundry credits	340 69	
	19,485 09	
Superintendent, Miss L. I. Livingstone, 12 months to 30 June (with living, valued at $440.)	1,550 00	
Housekeepers:		
Miss H. Panton, 2 months to 31 August @ $1,100 per annum	183 34	
Miss M. Stalsmith, 9 months to 30 June @ $1,100 per annum (with living, valued at $400. per annum)	825 00	
		$22,043 43
(*c*) Housekeeping Account (94 St. George St.):		
Cleaning and house service ($1,829.53):		
T. Eaton Co., Ltd., shades, etc.,	4 64	
Gordon, Mackay & Co. Ltd., sheets	33 29	
Industrial Refuge, laundry	247 46	
Toronto Window Cleaning Co., cleaning windows	7 21	
U. C. Women's Union, meals supplied	160 00	
Miss M. Waddington, disbursements for cleaning materials	29 64	
Superintendent's Dept., labour, $9.01; material, $11.11	20 12	
Pay lists, wages of cleaners	1,327 17	
	1,829 53	
Less sundry credits, occasional meals, etc.	55 25	
		1,774 28
(*d*) Housekeeping Account (100 Queen's Park):		
Cleaning and house service ($1,583.22):		
Consumers' Gas Co., cleaning and adjusting range	3 00	
W. H. Cox Coal Co., fuel	15 50	
Industrial Refuge, laundry	199 55	
Interlake Tissue Mills Ltd., case of towels	7 83	
K. I. Litster, paper	14 63	
Miller & Miller, cleaning windows	7 00	
Toronto Window Cleaning Co., cleaning windows	5 87	
U. C. Women's Union, meals supplied	160 00	
Miss M. Waddington, disbursements for cleaning materials	23 61	
Superintendent's Dept., labour, $13.05; material, $4.38	17 43	
Pay lists, wages of servants	1,128 80	
Furnishings and sundries ($231.12):		
T. Eaton Co., vacuum cleaner, heater, etc.	42 75	
Nordheimer Piano & Music Co., tuning piano	6 00	
C. D. Winn, carpet and making rug	41 50	
University Press, book	10 00	
Superintendent's Dept., labour, $19.45; material, $111.42	130 87	
	1,814 34	
Less sundry credits	111 42	
		1,702 92
		36,399 10

89. University College Women's Union.

(a) Maintenance of Building:	
Fuel ($661.50):	
W. H. Cox Coal Co., fuel	$636 50
Britnell Contracting Co., teaming	25 00
Gas and city current ($579.11):	
Consumers' Gas Co.	579 11
Water ($59.65):	
City Treasurer	59 65
Repairs and renewals ($718.48):	
Superintendent's Dept., labour, $411.63; material, $306.85	718 48
	2,018 74
(b) Housekeeping Account:	
Provisions and housekeeping expenses ($12,789,99):	
Aikenhead Hardware Ltd., hardware	2 51
Andrews Cake Bakery, cakes and pastry	51 29
Annesley Hall, butter	29 20
Armstrong & Paffard, groceries	1,580 92
James Bamford, provisions	1,308 92
Belle Ewart Ice Co., ice	29 01
J. Blood, groceries	239 69
Campbell Flour Mills Co., flour	7 85
Christie, Brown & Co., biscuits	14 65
J. B. Ciceri & Co., fruit	113 00
Paul B. Ciceri Co. Ltd., fruit	22 60
Club Coffee Co., coffee	267 16
Geo. Coles Ltd., confectionery	209 44
M. Doyle Fish Co., oysters	6 50
T. Eaton Co., paint and paper	13 30
Eby-Blain Ltd., groceries	193 30
E. B. Eddy Co., serviettes	80 35
Farmers' Dairy Co., milk	1,564 00
Glassco Ltd., jams	127 65
Grand & Toy Ltd., stationery	18 05
Gunn's Ltd., meat	1,013 05
Harris Abattoir Co., meat	2,931 42
H. J. Heinz Co., beans	127 95
F. W. Humphrey Co., coffee	2 23
W. S. Johnston Co., printing meal tickets	25 00
Lipton's, tea	7 31
MacLaren-Wright Ltd., groceries	6 95
McWilliam & Everist Ltd., fruit	88 75
M. P. Mallon, chickens	19 84
Maple Leaf Milling Co., flour	83 45
Medland Bros., serviettes	13 70
Wm. Neilson Ltd., ice cream	366 48
Wm. Patterson & Sons, provisions	735 65
W. H. Proctor & Co., canned goods and provisions	88 33
F. Simpson & Sons, groceries	50 00
Telfer Biscuit Co., biscuits	1 33
Tupman, Thurlow Co., beef	22 33
Miss M. Waddington, disbursements:	
Food supplies, $127.74; carfares, postage, etc., $24.99; utensils, $6.89; stationery and sundries, $49.38	209 00
Harry Webb Co., bread	784 18
Whyte Packing Co., provisions	315 90
University Press, stationery	17 75
Cleaning and house service, etc. ($3,954.66):	
F. M. Cronkwright, repairs to range, etc	29 08
Industrial Refuge, laundry	373 71
Miller & Miller, cleaning windows	5 20
G. H. Robinson, repairing chairs	6 00
Toronto Window Cleaning Co., cleaning windows	6 88
L. White & Sons, cleaning chair covers, etc.	36 75

89. UNIVERSITY COLLEGE WOMEN'S UNION.—*Continued*

Superintendent's Dept., labour, $1.77; material, $112.08	$113 85	
Pay lists, wages of servants, maids, etc.	3,383 19	
Magazines, piano, etc. ($59.09):		
Canadian Forum, subscription	1 33	
MacDonald's Subscription Agency, subscriptions	30 51	
Nordheimer Piano & Music Co., tuning piano	6 00	
W. H. Smith & Son, subscriptions	21 25	
Furnishings, dishes and sundries ($456.92):		
Cassidy's Ltd., dishes	95 20	
T. Eaton Co. Ltd., dry goods, dishes, etc.	182 29	
Gordon Mackay & Co., suiting, etc.	28 07	
Gowans, Kent & Co., plates	102 37	
Interlake Tissue Mills Co., towels, etc.	14 84	
Harold A. Wilson Co. Ltd., tether ball pole	5 20	
Wrought Iron Range Co., boilers, etc.	28 95	
	19,279 40	
Resident Head, Miss M. M. Waddington, 12 months to 30 June (paid also $2,000 in English)	1,000 00	
Housekeeper-Dietitian, Miss J. Barber, 12 months to 30 June	1,500 00	
Assistant Dietitian, Miss M. Millen, 12 months to 30 June (each with living valued at $400)	780 00	
	22,559 40	
Less credit for meals supplied the housekeepers at 94 St. George St. and 100 Queen's Park	320 00	
		$22,239 40
		69,574 58

XI. (90) ROYAL ONTARIO MUSEUM.

University's share of maintenance advanced to the Trustees of the Royal Ontario Museum under 2 Geo. V. Cap. 80	35,000 03

XII. (91) CENTRAL POWER PLANT.

Fuel ($67,956.51):	
Britnell Contracting Co., teaming	7,626 78
Century Coal Co., fuel	3,982 42
W. H. Cox Coal Co., fuel	46,428 81
Wm. McGill & Co., fuel	8,870 81
Scott Coal Co., fuel	33 74
W. H. Thomson, teaming	16 50
Superintendent's Dept., labour, $982 85; material, $14.60	997 45
City Electric Current ($4,201.74):	
Toronto & Niagara Power Co.	4,201 74
Water ($300.48):	
City Treasurer	300 48
Repairs and renewals, engineers' supplies and miscellaneous items ($9,999.73):	
Jas. Crow Co., forging	17 50
Lancashire Dynamo & Motor Co., repairs to armature and generator	1,938 75
R. Robertson & Sons, repairs to boilers	605 22
L. Joslyn Rogers, testing coal	24 00
Turnbull Elevator Co., cables for hoist	97 54
University Press, printing	27 40
Petty items (4)	5 26
Superintendent's Dept., labour, $2,444.13; material, $4,839.93	7,284 06
Engineers, assistant engineers, firemen and trimmers ($13,913.50):	
Chief engineer, Chas. Moseley, Jr., 12 months to 30 June	2,000 00

XII. (91) CENTRAL POWER PLANT.—*Continued.*

Assistant engineers @ $125 per month:		
L. McMaster, 12 months to 30 June, $1,500; overtime, 36 hours, $18.61	$1,518 61	
Wm. Smith, 12 months to 30 June, $1,500; overtime, 24 hours, $12.44	1,512 44	
J. H. Sandie, 10 months, 7 days, $1,278.08; overtime, 28 hours, $14.37	1,292 45	
F. H. Jewitt, 2 months, 17 days, @ $110 per month	282 34	
Firemen @ $110 per month:		
M. Andrews, 12 months to 30 June, $1,320; overtime, 12 hours, $5.43	1,325 43	
G. O'Connor, 9 months, 12 days, $1,033.94; overtime, 10 hours, $4.59	1,038 53	
B. Cole, 8 months, 5 days	898 29	
F. Orchard, 7 months, 2 days	776 63	
H. Elliott, 5 months, 3 days	560 98	
Trimmers @ $95.00 per month:		
H. Bramley, 9 months, 7 days, $879.84; overtime; 15 hours, $6.39	886 23	
E. South, 6 months, 2 days, $576.34; overtime, 12 hours, $4.75	581 09	
A. Richardson, 4 months, 25 days, $459.13; overtime, 6 hours, $2.38	461 51	
A. O'Connor, 5 months, 9 days, $503.48; overtime, 12 hours, $4.75	508 23	
H. Bullock, 2 months, 25½ days	270 74	
	96,371 96	
Less received from sale of cinders	70 80	
		$96,301 16

XIII. (92) CONTINGENCIES AND MISCELLANEOUS.

Hart House Volume ($5,291.00):		
Secretary-Treasurer, Hart House, account of G. D. Haight, films	$135 00	
Rous & Mann, Ltd., printing	5,550 00	
Less credits from sales	394 00	
		5,291 00
Hart House Visitors' Book Table ($242.05):		
J. C. Scott Co.		242 05
Opening of Electrical Building ($300.90):		
Craig Hamilton, orchestra		25 00
Wm. Jay & Son, flowers		18 00
Secretary-Treasurer, Hart House, refreshments		187 50
University Press, printing		40 35
Superintendent's Dept., labour		30 05
Dante Sexcentenary Celebration ($121.31):		
Prof. C. H. Grandgent		81 51
Hart House Theatre		25 00
University Press		14 80
President's House ($3,500.70):		
Alterations and repairs:		
Superintendent's Dept., labour, $2,767 48; material, $180.15		2,947 63
Fuel:		
E. T. Malone, K. C.		202 27
W. H. Cox Coal Co.		350 80
Dunlop's, flowers for funerals		42 50
McBride's Garage, car for funeral of the late Lieutenant-Governor		8 50
Mrs. E. Hanmer, compassionate allowance as widow of caretaker of Household Science building		500 00
Mrs. A. C. Jones, allowance for injuries received at Library building		100 00

XIII. (92) CONTINGENCIES AND MISCELLANEOUS.—*Continued.*

Dr. J. C. Maynard, surgical attendance to G. R. Chapman, injured at Hart House			$25 00	
Dr. W. R. Parker, surgical attendance to P. Blackman, injured at Physics building			10 00	
R. Ross (injured painter) allowance while off duty			110 93	
Toronto General Hospital, medical attendance *re* R. Ross			58 75	
London Guarantee & Accident Insurance Co., Fidelity bond premiums for Bursar's office staff			306 00	
McKenzie & Co., tablets for portraits			169 97	
Miss I. M. D. Sutherland, engrossing resolution on death of Sir John Eaton			60 00	
R. M. Williams, iluminating resolution to McGill University			25 00	
University Press, work on material prepared by Mr. Pijoan			194 00	
National Trust Co., sundry valuations			60 00	
Taxes ($251.46):				
City Treasurer, adjustments for 1922 on the following properties:				
71 St. George St.		$20 45		
92 St. George St.		12 27		
94 St. George St.		15 00		
100 Queen's Park		180 52		
1 Queen's Park		47 34		
86 Queen's Park		37 60		
		313 18		
Less credit *re* Malone		61 72		
			251 46	
Sundry attendance:				
S. J. Apted			17 00	
E. A. Bishop			12 50	
F. Hitchcock			2 50	
T. Motton			2 50	
G. Ward			2 50	
A. Timothy			3 00	
A. H. Worsley			3 00	
Medals ($66.00):				
Ryrie Bros.		91 00		
Less received from donors		25 00		
			66 00	
Association of Urban Universities, dues			21 76	
Society for Promotion of Engineering Education, dues			11 62	
Small accounts (2)			11 00	
Meeting of the American Association for the Advancement of Science, December, 1921:				
Honorarium to Prof. Bateson		650 00		
Payments to Secretaries, assistants, messengers, etc.		2.766 68		
Catering and entertainment of delegates, orchestral and vocalists' services, etc.		2,046 03		
Stationery, printing and advertising		1,221 22		
Labour and material		680 96		
Other items		432 89		
		7,797 78		
Less credits received from:				
City of Toronto	1,000 00			
Toronto Board of Trade	500 00			
Use of University Residences	656 75			
Sale of material, etc.	236 49	2,393 24		
			5,404 54	
				16,935 99

XIV. (93) CAPITAL ACCOUNT CHARGES.

Accountant, Supreme Court of Ontario, thirteenth annual payment on debenture issue of 1909	$25,260.00		
Less portion charged to Ontario College of Education	$10,000.00	$15,260 00	
Accountant, Supreme Court of Ontario, seventh annual payment on debenture issue of 1915 *re* Hart House		5,975 00	
Toronto General Hospital, eleventh annual payment on debenture issue of 1911 *re* grant to Toronto General Hospital		15,157 00	
Toronto General Hospital, eleventh annual payment on debenture issue of 1911 *re* Pathological Building		6,568 00	
Wardrop Estate, seventh instalment on purchase of house, No. 8 Queen's Park		750 00	
Shoenberger Estate, sixth instalment on purchase of house, No. 184 College St.		500 00	
Campbell Estate, fourth instalment on purchase of house, No. 100 Queen's Park		720 00	
E. T. Malone, K.C., first instalment on purchase of house, No. 86 Queen's Park	8,000.00		
Interest payment	812.50		
		8,812 50	
Purchase of Beatty leasehold, City Treasurer, taxes 1922		642 08	
Repayment to Endowment on account of advance for construction of Central Power Plant (written off Asset Valuation)		20,208 00	
			$74,592 58

XV. (94) SPECIAL COURSES FOR RETURNED SOLDIERS.

(Nothing spent).

XVI. (95) SPECIAL RESEARCH.

Applied Science.

Chemical Engineering ($3,636.96):	
Research Assistants:	
R. C. Cantelo, 11 months	1,925 00
J. C. Bell, 7 months	600 00
F. P. Downey, 7 months	600 00
W. A. Campbell, 2 months	250 00
R. R. Parker, 1 month	125 00
Expenses ($136.96):	
The Bursar, postage supplied	50 00
Canadian Laboratory Supplies, chemicals	74 71
National Electro Products Ltd., rent of cylinders	12 25
Civil Engineering ($3,658.56):	
Research Assistants:	
A. R. Duff, 12 months to 30 June	2,400 00
W. B. Dunbar, 4 months, 27 days @ $175 per month (paid also in Drawing)	852 50
Expenses ($406.06):	
Art Metropole, rule	31 08
Brown Bros., paper	3 93
Canadian Allis-Chalmers Ltd., beams	7 96
C. F. Cole Co., tracing cloth	20 80
A. R. Duff, expenses *re* course at United States Forest Products Laboratory, Madison, Wis.; Fee for instruction, $150; travelling expenses, $68.50; exchange on U.S. money, $31.28; hotel expenses, $39.95; sundries, $4.22	293 95
Grand & Toy, paper	4 10
C. A. Hughes, assistance, 60 hours @ $1.25	75 00
Prof. T. R. Loudon, travelling expenses to Harvard University	73 02
McGregor & McIntyre, steel beams	8 81
Photography, Dept. of, prints	60

XVI. (95) Special Research.—*Continued.*

Taylor Instrument Companies, hygrometers	$12 00
Prof. C. R. Young, petty disbursements	4 36
Superintendent's Dept., labour, $10.57; material, $9.88	20 45
	556 06
Less credit from Furniture Manufacturers' Association	150 00
	406 06
Electrical Engineering ($2,688.63):	
Research Assistants, each 12 months to 30 June:	
G. F. Tracy	1,500 00
J. W. Lawson, (paid also in Department)	900 00
Expenses ($288.63):	
Canadian General Electric Co., cement	3 05
Driver-Harris Co., wire	5 25
T. Eaton Co., Ltd., insulators, etc.	16 00
Esterline Angus Co., magnets	42 56
H. F. Hodson, wood	35 00
Imperial Oil Ltd., Wax	3 07
Standard Underground Cable Co. of Canada, Ltd., wire	109 80
Students' Book Dept., books	52 30
Toronto Plate Glass Importing Co., glass	15 34
Petty items (4)	4 76
Superintendent's Dept., labour	1 50
Mechanical Engineering ($4,381.87):	
Research Assistants:	
J. S. E. MacAllister, 3½ months @ $100; 2 months @ $125	600 00
E. V. Ahara, 3½ months	350 00
H. C. Crane, 2 months (paid also in Department of Electrical Engineering)	280 00
D. M. Macdonald, 2 months	250 00
Expenses ($2,901.87):	
The Air Board, reports	5 68
Prof. R. W. Angus:	
Travelling expenses, $135.63; petty disbursements (supplies), $20.00	155 63
Brigden's Ltd., negatives	27 05
Canadian Johns-Manville Co.., cable	10 15
Dominion Engineering Works, pump and turbine	1,300 00
J. F. Hartz Co., tubing	3 00
John Inglis, Co, Ltd., gas producer	365 30
J. M. Krno, translation	28 02
McKay School Equipment Ltd., tubes	4 00
H. V. Short Hardware Co., plate	4 01
Standard Pattern Works, acrofoil models	73 24
Students' Book Dept., books	15 30
C. H. Taylor, wings and wing tips for planes	792 90
A. R. Williams Machinery Co., motor, etc.	117 59
Metallurgical Engineering ($296.37):	
Canada Metal Co., copper	11 64
Eimer & Amend, tubes	15 54
Northern Electric Co., electrical supplies	13 85
A. R. Williams' Machinery Co., drop hammer	204 50
Superintendent's Dept., sales tax, 84c; labour, $37.97; material, $12.03	50 84
Mining Engineering ($1,930.60):	
Research Assistants:	
B. T. Hannan, 7 months	600 00
E. A. Rolph, 7 months	600 00
Expenses ($730.60):	
Baker & Co. Inc., electrodes	165 42
Miss D. Birkett, typing	4 90
T. Eaton Co. Ltd., pans	24 40
Ellis Bros. Ltd., chromograph	12 00
Gray Ball Bearing Co., steel balls	5 65

XVI. (95) Special Research.—*Continued.*

F. Hickey, cast brass	$34 32	
J. Inglis Co., steel drum	28 65	
Leeds & Northrup Co., pyrometer and lamps	145 10	
Lyman Tube & Supply Co. Ltd., ball bearings	7 20	
Ontario Rubber Co., tubing	7 68	
Photography, Dept. of, prints	37 60	
Precision Instrument Co., meter	80 19	
J. G. Ramsey Co., prints	49 36	
Stewart Products Service Station, repairs	3 00	
W. S. Tyler, paper, etc.	19 73	
United States Mint, ore	14 59	
University Press, printing	6 75	
Petty items (4)	6 70	
Superintendent's Dept., freight, $19.98; labour, $28.23; material, $29.15	77 36	
General Expenses (2,480.98):		
The Bursar, postage supplied	10 00	
Canadian Institute of Mining & Metallurgy, illustrations	62 15	
University Press, Bulletin No 3	2,408 83	
		$19,073 97

Medicine.

W. Cowan, laboratory attendant, 12 months to 30 June	1,000 00	
Miss V. Gillett, artist's services, 12 months to 30 June	900 00	
Miss H. D. Howell, research assistant, 5 months	500 00	
Expenses ($2,466.65):		
Allen Mfg. Co., laundry	18 62	
Canadian Medical Association, journal illustrations	113 00	
L. J. Cartwright, slides	4 00	
Hospital for Sick Children, book	15 00	
Ingram & Bell, chemicals	329 14	
G. E. Kett, care of animals	25 00	
Leeds & Northrup, instruments	440 40	
Geo. B. Meadows, cages	30 90	
Mechanical Mold & Machinery Co., mold	168 40	
J. O'Donnell, dogs, $26.00; care of dogs, $260	286 00	
Pathological Chemistry, Dept. of, chemicals	30 57	
A. Ramsbottom, care of animals	91 50	
J. G. Ramsey Co., prints	7 73	
Dr. D. E. Robertson, disbursements:		
Animals and care of animals, $108; laboratory supplies, $67.00	175 00	
Synthetic Drug Co., cages	160 00	
Toronto Dog & Cat Hospital, animals	486 00	
Superintendent's Dept., freight, $26.50; labour, $36.86; material, $22.03	85 39	
		4,866 65

Anatomy.

Dr. Herbert G. Wilson, Research Assistant	250 00	
Expenses ($197.99):		
W. R. Brock Co., cotton	5 21	
Ingram & Bell, chemicals	25 47	
Prof. J. P. McMurrich, petty disbursements	7 70	
Photography, Dept. of, slides	22 68	
Physiology, Dept. of, mounting model	14 00	
R. C. Riley, technical assistant, 32 hours @ 70¢	22 40	
Dr. H. G. Willson, supplies purchased	11 36	
Wistar Institute of Anatomy & Biology, plates	86 17	
University Press, paper	3 00	
		447 99

Astronomy.

XVI. (95) SPECIAL RESEARCH.—*Continued.*

Canadian Kodak Co., plates	$162 82	
Canadian S K F Co., bearings	43 66	
T. Cooke & Sons Ltd., electric clock	453 52	
Dodwell & Co. Ltd., freight, etc.	40 15	
Warner & Swasey, express charges	5 36	
Superintendent's Dept., freight, $38.87; labour, $333.28; material, $86.53	458 68	
		$1,164 19

Bio-Chemistry.

Research Assistants:		
N. S. Clark, 2 months (paid also in Pharmacy)	200 00	
R. W. I. Urquhart, 2 months	200 00	
J. A. Morrell, 1 month (paid also in Department)	100 00	
Expenses ($597.07):		
Baird & Tatlock (London) Ltd., glassware, etc.	188 20	
Beaver Flint Glass Co., apparatus	94 54	
Canadian Carbonate Co., ether	11 77	
Canadian Laboratory Supplies, chemicals	35 01	
Eastman Kodak Co., chemicals	9 90	
Eimer & Amend, chemicals	17 85	
Emil Greiner Co., burettes, etc.	40 06	
Geo. T. Gurr, dye	1 29	
Lyman Bros. & Co., chemicals	20 76	
McKay School Equipment, microscope, etc.	105 83	
Special Chemicals Co., chemicals	30 62	
A. H. Thomas Co., chemicals	19 64	
Superintendent's Dept., material	21 60	
		1,097 07

Biology.

Assistant Professor, W. A. Clemens (share of salary charged to Research—see Faculty of Arts)	2,000 00	
Research Assistants:		
A. H. Leim, 8 months	1,000 00	
F. B. Adamstone, 2 months	250 00	
Technicians:		
Miss M. Maitland, 29 hours @ 66¢	19 14	
Miss K. L. Jeffs, 20 hours @ 75¢	15 00	
Miss E. Hyslop, 23 hours @ 65¢	14 95	
Preparator, R. C. Riley, 172 hours @ 70¢	120 40	
Expenses ($3,033.95):		
R. Barron, Ltd., carrots	5 20	
Beaver Brass Mfg. Co., water instrument	49 93	
Prof. B. A. Bensley, paid for laboratory supplies	20 00	
Miss D. Birkett, typing manuscript	8 00	
Bucher Engraving Co., chart	89 53	
Canadian Laboratory Supplies, chemicals	9 40	
Canadian Numbering Machine Co., counter	19 00	
Prof. W. A. Clemens, disbursements re Fisheries Research in Lake Nipigon:		
Board for assistants, $407.75; boat hire, $314.90; travelling expenses, $168.45; labour, $60.50; supplies and sundries, $200.13	1,151 73	
Dominion Glass Co., jar rings	4 12	
T. Eaton Co. Ltd., dishes, etc.	31 82	
Edison Swan Electric Co., lamps	35 34	
Freyseng Cork Co., corks	5 98	
Wm. & J. G. Greey, cloth	28 29	
W. J. K. Harkness, assistant on Nipigon Expedition	300 00	
Harmer Laboratories, crystals	10 81	
Kny-Scheerer Corporation, moth traps	14 72	
J. W. MacArthur, paid for supplies	7 10	
J. E. McEntee, cavies	14 67	
MacKay School Equipment, tubing and chemicals	65 06	
F. A. Martin, guinea pigs, etc.	32 71	

XVI. (95) SPECIAL RESEARCH.—*Continued.*

Geo. B. Meadows, cages	$20 63	
Photo Engravers Ltd., map	9 53	
Photography, Dept., of, slides	18 00	
Pringle & Booth. plates	8 65	
Richards Glass Co., vials	42 68	
Spencer Lens Co., carbons	32 54	
The Topley Co., apparatus	20 86	
Toronto Produce Co., fodder	5 25	
Prof. E. M. Walker, expenses detailed under Special Research, Botany	300 00	
Wistar Institute of Anatomy & Biology, rats	9 94	
G. R. Workman, drafting	26 90	
University Press, printing	187 40	
Petty items (6)	13 73	
Superintendent's Dept., freight, $62.21; labour, $20.16; material, $354.31	436 68	
	3,036 20	
Less credit from National Drug & Chemical Co.	2 25	
	3,033 95	$6,453 44

Botany.

Assistant Professor, H. B. Sifton, 12 months to 30 June	2,700 00	
Research Assistants:		
H. P. Bell, 4 months (paid also in Department)	400 00	
G. H. Berkeley, 4 months (paid also in Department)	400 00	
A. R. Walker, 3 months (paid also in Department)	300 00	
Miss M. E. Currie, 2 months	200 00	
Miss C. W. Fritz, 2 months	200 00	
E. H. Moss, 1 month	100 00	
Clerical Assistants:		
Miss B. M. Savage, 4 weeks	100 00	
Miss J. McGillicuddy, 3 weeks, 5 days	95 83	
Expenses ($1,912.88):		
Canadian Laboratory Supplies, chemicals	13 93	
Miss M. E. Currie, paid for laboratory supplies	5 67	
Dominion Glass Co., jars	6 70	
Miss C. W. Fritz, petty disbursements	11 51	
J. F. Hartz Co., tubes	18 10	
Ingram & Bell, supplies	354 12	
McKay School Equipment, incubator, etc.	401 20	
Northern Electric Co., potentiometer, etc.	239 19	
Photography, Dept. of, prints	45 40	
Chas. Potter, slides	40 60	
Pringle & Booth, photos	66 95	
J. G. Ramsey Co., plates	25 44	
Special Chemicals Co., chemicals	20 60	
Prof. R. B. Thomson, expenditure re Joint Expedition with Prof. W. M. Walker: Hotel expenses, $241.60; travelling expenses, $194.90; gasoline and car accessories, $86.35; supplies, $39.75; provisions, $27.93; sundries, $27.63; accounted for in 1920-21, $104.62=$722.78; share charged to Special Research, Biology, $300	422 78	
The Topley Co., apparatus	94 13	
Will Corporation, supplies	9 47	
Petty items (3)	7 28	
Superintendent's Dept., freight, etc., $81.59; labour, $21.07; material, $27.15	129 81	
		6,408 71

Chemistry.

Associate Professor, J. B. Ferguson, 12 months to 30 June	4,000 00	
Expenses ($876.93):		
Bausch & Lomb Optical Co., lamp, etc.	22 24	
Canadian General Electric Co., motors	82 84	

XVI. (95) Special Research.—*Continued.*

Consolidated Optical Co., grinding, etc.	$14 00	
Edison Swan Electric Co., lamps	7 24	
Adam Hilger Ltd., lenses	69 65	
Leeds & Northrup Co., resistance box, etc.	53 27	
W. R. McKee, repairs	5 05	
Pyrolectric Instrument Co., condensers	523 78	
Richards Glass Co., tubes	8 83	
Petty items (2)	3 55	
Superintendent's Dept., freight, etc., $37.47; labour, $37.35; material, $11.66	86 48	
		$4,876 93

Geology.

Prof. A. P. Coleman, disbursements:		
Summer Expedition, 1921:		
Travelling expenses, $249.00; hotel expenses, $157.06; supplies and sundries, $20.10	426 16	
Quebec Expedition, June, 1922:		
Hotel Expenses, $86.35; car accessories, $82.80; supplies and sundries, $35.23	204 38	
		630 54

Mineralogy.

Research Assistant, E. W. Todd, 7 months (paid also in Department of Chemistry)	1,750 00	
Expenses ($1,445.92):		
Canadian Laboratory Supplies, chemicals	32 33	
Eastman Kodak Co., chemicals	23 50	
Eimer & Amend, chemicals	5 66	
Ludwig Hommel & Co., lamps	5 00	
Lyman Bros. & Co., supplies	21 60	
N. MacDonald, powder	12 18	
Photography, Dept. of, prints	22 20	
Provincial Treasurer, Ontario, auto license	13 00	
L. J. Rogers, muffle	20 00	
E. H. Sargent, platinum	6 78	
Geo. Sparrow & Co., gas griddle	25 75	
Prof. T. L. Walker, disbursements re field work:		
Hotel expenses, $624.62; car accessories, $262.56; motor boat hire, $116.00; freight, $15.85; supplies and sundries, $116.07	1,135 10	
Ward's Natural Science Establishment, specimens	41 87	
G. R. Workman, drafting, 42 hours @ $1.25	52 50	
Petty items (4)	5 60	
Superintendent's Dept., freight, etc., $10.48; labour, $5.88; material, $6.49	22 85	
		3,195 92

Palæontology.

Dominion Transport Co., freight charges	375 90	
Spencer Lens Co., microscopes	296 28	
Prof. W. A. Parks, expenditure *re* Red Deer River Expedition:		
Travelling expenses, $529.65; provisions, $419.40; wages of assistants, $371.50; equipment, $336.45; supplies, $290.53; hotel expenses, $203.50; team, $129.50; sundries, $38.47=$2,319.00; less balance of 1920-21 advance returned, 29¢	2,318 71	
		2,990 89

Physics.

Aikenhead Hardware Ltd., hardware	163 25	
Beardmore Belting Co., belting	52 14	
Brown's Copper & Brass Rolling Mills, brass	35 73	
Cambridge & Paul Instrument Co., electrometer, etc.	338 41	
Canada Metal Co., castings	225 14	

Canadian Carbonate Co., gas	23 13	
Canadian General Electric Co., lamps	14 50	
Canadian Kodak Co., supplies	8 42	
Canadian Laboratory Supplies, chemicals	7 11	
Canadian Seamless Wire Co., wire	7 24	
Central Scientific Co., pump	85 43	
Chance Bros. & Co., glassware	23 58	
Consolidated Optical Co., glass	13 00	
Cox-Cavendish Electrical Co., plates	4 60	
Dodge Mfg. Co., wheel	8 08	
Eastman Kodak Co., plates	47 94	
Edison Swan Electric Co., lamps	28 98	
Eimer & Amend, chemicals	64 73	
Filmcraft Industries Ltd., negatives	27 81	
Fuerst Bros. Ltd., chemicals	32 78	
Robert Gœtz, thermometers	14 13	
Bernard Halle, lenses	14 23	
Chas Hearson & Co. Ltd., incubator	139 72	
Adam Hilger Ltd., microscopes, etc.	1,011 73	
Hopkin & Williams Ltd., chemicals	403 56	
Imperial Foundry Co., castings	25 38	
Imperial Oil Co., compressor, etc.	19 49	
Ingram & Bell Ltd., films	5 20	
Instruments Ltd., fibres	11 10	
International General Electric Co., X-Ray tube	255 80	
Jefferson Glass Co. Ltd., glass	9 82	
Johnson, Matthey & Co., chemicals	301 30	
Kimble Glass Co., tubing	16 14	
L'Air Liquide Society, gas	25 34	
Lyman Bros. & Co., chemicals	5 88	
McKay School Equipment, camera	53 90	
Geo. A. Matthews, rewinding armature	12 25	
Ontario Rubber Co., tubing	9 36	
Peckover's Ltd., steel	6 94	
W. G. Pye & Co., jars	158 73	
J. G. Ramsey & Co., films	26 83	
Hugh O. L. Stock, marine insurance	17 49	
Jas. Swift & Son, microscopes	306 87	
Taylor Instrument Companies, repairs	33 00	
Thermal Syndicate Ltd., condenser, plates, etc.	675 23	
Watson & Sons, transformers, etc.	1,212 42	
S. S. White Co., cylinders	11 42	
Petty items (6)	13 78	
Superintendent's Dept., freight, etc., $508.78; labour, $153.63; material, $217.62	880 03	
		$6,889 07

Physiology.

Research Assistants:		
Edward Fidlar, 12 months to 30 June	1,000 00	
S. U. Page, 2 months (paid also in Department)	185 00	
C. H. Best, 1 month " " " "	170 00	
F. G. Banting, 1 month (paid also in Pharmacy)	150 00	
J. K. Latchford, 1 month (paid also in Department)	100 00	
E. C. Noble, 1 month (paid also in Department)	50 00	
Expenses ($1,278.76):		
American Journal of Physiology, journal	13 09	
Baird & Tatlock (London) Ltd., balance, etc.	158 30	
Canadian Laboratory Supplies, chemicals	100 39	
Canadian Medical Association, reprints	5 77	
J. F. Hartz Co., clamps	11 76	
Harvard Apparatus Co., pneumograph	11 40	
Ingram & Bell, supplies	57 45	
L'Air Liquide Society, gas	7 28	
The Lancet, reprints	18 96	

XVI. (95) SPECIAL RESEARCH.—*Continued.*

Lyman Bros. & Co., chemicals	$29 88	
McKay School Equipment, chemicals	15 53	
National Drug & Chemical Co., leeches	7 32	
Nineteen Hundred Washer Co., motor	6 00	
Pets' Stock Farm, cats	10 00	
A. C. Redfield, material supplied for use in investigating cause of mountain sickness	522 83	
Rougior Frères, apparatus	78 57	
Taylor Instrument Companies, thermometers, etc.	24 37	
A. H. Thomas Co., bottles	13 11	
Toronto Dog & Cat Hospital, animals	132 00	
W. Weber, animals	50 50	
Williams & Wilkins, reprints	4 25	
		$2,933 76

Psychology.

Research Assistant, Miss D. Hearn, 5½ months	330 00	
Expenses ($520.97):		
Ellis Bros. Ltd., watch repairs	10 75	
Hardware Co. of Toronto Ltd., belting, etc.	35 24	
Lockhart's Camera Exchange, plates	6 10	
Monroe Calculating Machine Co., machine	324 83	
C. E. Stœlting Co., test forms	19 32	
Students' Book Dept., books	18 40	
Samuel Trees & Co. Ltd., felt	3 55	
World Book Co., tests	35 47	
University Press, printing and stationery	61 65	
Superintendent's Dept., sales tax, $1.32; material, $4.34	5 66	
		850 97

Zymology.

H. B. Speakman, Director and Associate Professor, 12 months to 30 June	4,000 00	
A. M. Wynne, Research Assistant, 12 months to 30 June	2,500 00	
Arthur Clarke, Laboratory Attendant, 12 months to 30 June	600 00	
Expenses ($4,032.31):		
Canadian Laboratory Supplies, chemicals	518 34	
R. H. Chappell, repairing apparatus	6 50	
Driver-Harris Co., nickel	5 45	
Eastman Kodak Co., chemicals	25 78	
T. Eaton Co., Ltd., repairing apparatus, etc.	67 40	
Eimer & Amend, apparatus	9 37	
Grasselli Chemical Co., chemicals	15 27	
J. F. Hartz Co., incubator, sterilizers, etc.	1,119 23	
Leeds & Northrup, electrodes	7 74	
McKay School Equipment, supplies	83 18	
Merck & Co., chemicals	48 03	
O'Keefe's Brewery Co., malt	4 38	
Ontario Rubber Co., sheeting	24 36	
Richards Glass Co., tubes	10 24	
Prof. H. B. Speakman, paid for laboratory supplies	41 73	
Special Chemicals Co., chemicals	57 16	
Students' Book Dept., subscriptions	127 15	
A. H. Thomas, apparatus	337 99	
Toronto Hydro-Electric System, extending lines and service	106 00	
United Typewriter Co., inspection and supplies	19 61	
University of Chicago Press, journal	13 34	
Williams & Wilkins, subscription	2 00	
Yorkville Laundry	29 65	
J. S. Young, extracts	3 72	
University Press, printing and stationery	74 00	
Superintendent's Dept., freight, etc., $22.58; labour, $809.73; material, $442.38	1.274 69	
		11,132 31
		73,012.41

Appendix IV.

UNIVERSITY PRESS.

Transactions for year ending 30th June, 1922.

Receipts:			
Ordinary, including $12,165.19 outstanding and receivable on 30 June, 1922			$112,902 83
Rentals, Students' Book Department			1,200 00
			114,102 83
Expenditures:			
Ordinary		$97,263 72	
Interest on capital expenditure for Press Building		2,300 96	
Accounts written off		170 00	
		99,734 68	
Transferred to Publications Account		3,430 73	
		96.303 95	
Value of supplies bought in advance and on hand 30 June, 1922	2,751 76		
And work in progress	2,391 85		
	5,143 61		
Less liabilities	2,280 00	2,863 61	93,440 34
			20,662 49
Purchases in advance (net)			2,863 61
			17,798 88
Balance of operating account, 30th June, 1922, as above		17,798 88	
Less expenditures on additions to type and equipment during 1921-22		914 49	
Transferred to University Press Building Capital Account			16,884 39
Publications Account:			
Amount outstanding 30th June, 1921		1,292,35	
Expenditures		3,739 93	
		5.032 28	
Receipts from sales		1,900 46	
Amount outstanding 30th June, 1922			3,131 82

Details of Expenditure, Operating Account.

R. J. Hamilton, Manager, 12 months to 30 June, $2,250; allowance for clerical assistance, $200	2,450 00	
Pay lists, wages of employees	49,902 55	
		52,352 55
Supplies and General Maintenance ($44,911.17):		
Acid Proof Ink Co., ink	11 42	
Aikenhead Hardware Co., hardware	14 44	
Alexander & Cable, engraving	115 88	
Allen Paper Co., paper	932 95	
Anstey & Bromley, sewing	863 86	
Anstey and Webb, sewing	286 94	
Art Metropole, supplies	135 14	
D. A. Balfour Co., ribbons	81 59	
Barber-Ellis Ltd., paper	2,039 82	
Beardmore Belting Co., belting	18 03	
Bell Telephone Co., service	34 23	
R. C. Bourne, cloth covers	175 75	
Brigden's Ltd., cuts	1,633 01	

University Press.—*Continued.*

W. R. Brock Co., linen	$47 77
Brown Bros., paper and supplies	1,782 35
Buntin-Reid Co., paper	1,836 13
The Bursar, postage supplied	440 00
Chas. Bush, Ltd., ink	577 50
B. Cairns, engraving	10 73
Canada Paper Co., paper	417 75
Canada Printing Ink Co., ink	31 70
Canadian Cleaning Co., window cleaning	23 50
Canadian Wm. A. Rogers Co., cups	32 96
Cannon Canadian Co., paste	93 98
Carribb Ltd., carbon paper	20 60
E. Carroll, grinding knives	23 01
Copp, Clark Co., paper	251 83
Dominion Envelope & Carton Co., envelopes	318 38
Dominion Paper Box Co., boxes	61 81
Engravers & Die Sinkers Co., die	12 53
Geo. Everall Co., envelopes	6 40
Factory Supplies Co., wipers	18 82
W. J. Gage & Co., envelopes and supplies	194 76
R. M. Gauley, cartage	241 35
Georgetown Coated Paper Mills Ltd., paper	349 01
Grand & Toy, envelopes and supplies	397 02
F. W. Halls Paper Co., paper	464 06
R. J. Hamilton, disbursements: Cleaning, etc., $241.85; postage and car fares, $151.20; express and cartage, $70.61; supplies and sundries, $24.47	488 13
Henderson Bros., ruling	848 56
Geo. M. Hendry Co., pens	14 24
J. M. Huber, ink	5 08
Imperial Oil Ltd., oil	46 68
J. Ingles, cartage	14 00
Ink Specialty Co., ink	60 66
J. R. Irving, sewing	297 69
King's Printer, paper	27 00
Lanston Monotype Machine Co., repairs	889 26
H. J. Logan, wire	28 30
Lowe-Martin Co., books	13 75
Luckett Loose Leaf Ltd., paper	21 55
Lyon & James, embossing	11 86
Geo. A. Matthews, commutator	76 20
Maynard & Ingles, cartage	15 20
Miller & Richards, type	77 17
Mitchell & McGill, cards	98 50
Moore Type Foundry, type	25 49
W. K. Mowat, millboard	30 45
A. Muirhead, gold leaf	50 24
Murdock-Penman, stencils	156 56
R. G. McLean, castings	92 30
McNeil Sales Ltd., stencils	134 40
National Paper Goods Co., paper	414 58
National Stationers Ltd., stationery	60 15
Office Specialty Mfg. Co., folders	44 02
O. K. Office Furniture Co., desks	90 81
Pelican Carbon Co., carbon	48 00
Provincial Paper Mills, paper	14,304 64
E. Pullen, wipers	102 60
Rapid Electrotype Co., electrotyping	137 97
Ratcliff Paper Co., paper	36 44
Rapid Typesetting Co., typesetting	3,114 90
Reliance Engraving Co., engraving	915 28
Ribbons Ltd., ribbon	60 36
Skene Bros., cartage	23 25
W. H. Smith & Son, binding	13 36
H. Sparks, ruling	5 43

UNIVERSITY PRESS.—*Continued.*

Standard Embossing Co., embossing	$290 09	
Stephenson, Blake & Co., wire	32 51	
Students' Book Dept., supplies	278 95	
Telfer Mfg. Co., paper	5 19	
Thomas & Martin, binding	260 39	
Thompson, Ahern & Co., shipping charges	16 26	
Toronto Type Foundry Co., type	33 83	
Toronto Typothetæ, dues, etc.	780 25	
United Paper Mills, paper	2,260 93	
United Typewriter Co., stationery	119 39	
Vawter-Luckett Ltd., metal posts	27 54	
Victoria Paper & Twine Co., paper	94 49	
Weatherhead Paper Co., paper	188 23	
Whaley Royce & Co., engraving	18 78	
Whyte Paper Co., paper	247 80	
Wickett & Smith Co., gold leaf	10 98	
Wilson-Munroe Co., paper	678 94	
Items under $5.00 (13)	34 94	
Superintendent's Dept., freight charges, etc., $4.65; labour, $307.51; material, $318 88	631 04	
Heat, light and power:		
Heat, $980.21; electric current, $275.00; gas, $232.34	1,487 55	
City Treasurer, water	27 80	
City Treasurer, elevator license	5 00	
Advertising announcements:		
Canadian Constitutional Studies	18 72	
Canadian Forum	72 00	
Canadian Historical Review	42 50	
Public Health Journal	45 00	
The Rebel	10 00	
St. Andrew's College Review	18 00	
St. Michael's College Year Book	10 00	
The School	80 00	
Torontonensis	40 00	
University of Toronto Monthly	60 00	
University of Toronto Y.M.C.A.	22 00	
The Varsity	60 00	
Wycliffe Magazine	10 00	
		$97,263 72

Details of Expenditure, Plant Account.

Canada Metal Co., monotype	307 91	
Miller & Richard, type	150 99	
Moore Type Foundry, type	17 11	
Stephenson, Blake & Co., table	438 48	
		914 49

Appendix V.

SUPERINTENDENT'S STORES AND SUNDRY LABOUR ACCOUNT.

Ledger balance, 30 June, 1921		$9,849 30
Purchases made during 1921-22:		
Adams Bros., felt	$64 55	
Advance Oil & Supply Co., oil, etc.	90 90	
Aikenhead Hardware Ltd., hardware	791 88	
Alpine Chemical Co., pitch	8 79	
Argus Mfg. Co. Ltd., castings	87 50	
Babcock & Wilson, Ltd., motor	132 93	
Barrett Co., pitch	166 61	
Wm. Bartlett & Sons, shades	1,664 63	
Batts, Ltd., lumber	55 62	
Beardmore Belting Co., belting	88 01	
W. J. Bell Co., towels	11 47	
Boeckh Co., brushes	29 46	
Booth-Coulter Copper & Brass Co., plumber's supplies	92 83	
British American Oil Co., gasoline	224 37	
W. R. Brock Co., cloth	20 31	
Brown's Copper & Brass Rolling Mills, brass	378 91	
D. S. Buddo, repairing clock	10 00	
Builders' Moulding Co., lumber	456 75	
Robert Bury & Co., lumber	416 70	
W. Calder & Son, brackets	19 25	
Canada Hardware Co., hardware	1,560 33	
Canada Metal Co., bronze	29 68	
Canada Pipe & Steel Co., plumber's supplies	477 60	
Canada Wire & Cable Co., wire	83 61	
Canadian Asbestos Co., asbestos	7 31	
Canadian Edison Appliance Co., switches	55 45	
Canadian Gasket Co., gaskets	6 74	
Canadian General Electric Co., electrical supplies	7,402 65	
Canadian Germicide Co., soap	14 88	
Canadian Hanson & Van Winkle Co., brooms	162 12	
Canadian Ice Machine Co., chemicals	11 04	
Canadian Johns-Manville Co., pipe covering, etc.	1,122 83	
Canadian Machinery Corporation, steel, etc.	33 76	
Canadian Oil Companies, soap	486 70	
Canadian Powers Regulator Co., regulators, valves, etc.	574 88	
Canadian S. K. F. Co., bearings	5 62	
Canadian Westinghouse Co., electrical supplies	106 58	
John Catto Co., towels	69 04	
Central Ornamental Glass Co., glass	81 44	
Consolidated Plate Glass Co., glass	1,308 07	
Consumers' Gas Co., heater	6 00	
George Cooke Co., beeswax	44 99	
Copp, Clark Co., chalk	33 12	
Crane, Ltd., plumber's supplies	6,484 81	
Jas. Crow, forging	105 96	
Cudahy Packing Co., polish	38 81	
W. H. Cunningham Co., glue	28 08	
Darling Bros., bags	32 96	
Davis Slate & Mfg. Co., slate	23 25	
Dean Bros., plating	88 10	
W. S. Dean, locks	21 37	
Dearborn Chemical Co., chemicals	259 24	
Diamond Cleanser, Ltd., cleanser	35 58	
Dodge Mfg. Co., pulley, shaft, etc.	191 40	
Dominion Carbon Brush Co., brushes	138 08	
Dominion Radiator Co., boilers	1,385 12	
C. A. Dunham Co., radiator traps, etc.	234 58	
Eagle Lock Co., locks	301 43	
T. Eaton Co., Ltd., beaver board, cork carpet, etc.	933 26	
E. B. Eddy Co., matches, etc.	514 23	
J. H. Edmunds Co., Ltd., electric fixtures	18 54	

SUPERINTENDENT'S STORES AND SUNDRY LABOUR ACCOUNT.—*Continued.*

Electric Insulation & Varnish Co., varnish	$334 58
Ely Bros., charcoal	32 80
Ewing & Murphy, wood turning	7 74
Excelsior Plate Glass Co., Ltd., glass	20 30
Factory Equipment & Supplies, pails	14 85
Factory Products Ltd., plumber's supplies	2,285 97
Faircloth & Winfield, Ltd., glass	17 00
Fletcher Mfg. Co., piping	7 32
Garlock Packing Co., packing	141 78
Garlock Walker Machinery Co., parts	10 40
Good Mfg. Co., plumbers' supplies	255 82
Gordon Mackay Co., cotton, etc.	266 98
Grinnell Co., hose, etc.	434 45
Gurney Foundry Co., grate, etc.	68 27
T. H. Hancock, lumber	1,037 26
Hardinge Bros., of Canada, clock	177 68
Hardware Co. of Toronto, hardware	121 87
Geo. M. Hendry Co., blackboards, etc.	153 65
Henry Engineering Co., fuses	121 29
Henry Hope & Sons, casement handles	18 60
J. T. Hepburn, Ltd., lever	52 20
Higgins & Burke, Ltd., soap, etc.	30 75
G. A. Hodgson Co., chemicals	27 61
Imperial Oil, Ltd., oil	12 27
Imperial Varnish & Color Co., Ltd., varnish	82 27
John Inglis Co., repairs to heaters	54 63
Interlake Tissue Mills Ltd., towels	1,185 50
H. E. Izzard, cloths	20 50
Johnson Temperature Regulating Co., regulators, etc.	681 93
A. M. Judd, electrical supplies	3,247 31
Lagonda Mfg. Co., cutters	7 37
R. Laidlaw Lumber Co., lumber	44 15
Lancashire Dynamo & Motor Co., repairs	68 63
J. Leckie, Ltd., cloth	22 44
Arthur S. Leitch Co., ceiling registers	429 45
Liquid Soap & Sanitary Products, soap, etc.	508 08
A. R. Lundy, wire	73 81
Lyman Bros., Ltd., chemicals	210 31
Lyons & Marks, baskets	46 50
McClary Mfg. Co., cement	9 79
McColl Bros., soap, oil	1,200 62
N. MacDonald, paper towels	43 85
McFarlane Mfg. Co., trestles	85 90
McGregor & McIntyre, Ltd., steel plates	30 00
W. R. McKee, electrical repairs	127 35
W. A. McKinnon, soap	103 50
Macey Office Equipment, furniture	2,171 05
Marble & Tiles, Ltd., baskets	33 50
Matthews Bros., frames, etc.	73 72
Geo. A. Matthews, rewinding armatures	334 40
Geo. B. Meadows, Ltd., wire	159 33
Metropolitan Engineering Co., switch boxes	98 20
Moffat's Ltd., water-heaters	25 38
J. H. Morin & Co., paints	113 52
Jas. Morrison Brass Mfg. Co., plumber's supplies	8,335 31
J. H. Morrison, cement	16 12
C. S. Moseley, fan	10 00
Mott Co., plumbers' supplies	285 05
E. N. Moyer Co., chalk	22 00
A. Muirhead Co., brushes	207 18
Murphy Iron Works, grates, etc.	1,329 21
Murray-Kay Co., towels	81 00
National Art Glass Co., glass	80 84
National Electric Heating Co., Ltd., switch	13 32
Nesbitt Electric Mfg. Co., electrical supplies	842 43
Estate of the late Frederick Nicholls, electric fixtures, etc.	175 00

SUPERINTENDENT'S STORES AND SUNDRY LABOUR ACCOUNT.—*Continued.*

Northern Electric Co., electric supplies	$299 38	
Ontario Government Dispensaries, alcohol	2,332 35	
Ontario Lime Co., lime, etc	305 40	
Ontario Rubber Co., tubing	7 99	
A. R. Ormsby Co., wire	45 32	
Otis-Fensom Elevator Co., cable	20 42	
Panels, Ltd., lumber	18 28	
Pathology, Dept., of, methylated spirits	5 50	
Peckover's Ltd., steel	2,166 06	
Perfection Sanitary Brush Co., brooms	40 17	
Perkins, Ince & Co., cleanser	12 51	
Peterborough Lock Mfg. Co., locks	6 21	
Eugene A. Phillips Electrical Works, cable	363 08	
Pierce Fuse Corporation, fuses	572 80	
N. L. Piper Railway Supply Co., oil	44 66	
Planet Bicycle Co., chains	8 40	
Preston Woodworking Machinery Co., vise	12 05	
Queen City Brass Foundry, brass	70 17	
Reid & Brown Structural Steel & Iron Works, castings	70 31	
Renfrew Electric Products Ltd., electric supplies	93 49	
Rice Lewis & Sons, gears	17 33	
Robb Engineering Works, pistons, etc.	116 77	
Robertson & Sons, cutting doorway	75 00	
Roofers' Supply Co., tile, etc.	886 91	
Routery Bros., plastering	73 25	
Sanderson Pearcy & Co., painters' supplies	5,490 37	
Sangamo Electric Co., meters	185 79	
Schaeffer & Budenberg Mfg. Co., charts	9 83	
H. V. Short Hardware, hardware	500 07	
T. S. Simms & Co., brooms	6 37	
Robert Simpson Co., Ltd., wallpaper	475 34	
John B. Smith & Sons, lumber	8,406 23	
Soclean Ltd., mopheads	5 40	
Soil Vaccine Co. of Ontario, Ltd., soil vaccine	6 18	
Standard Foundry Co., castings	233 39	
Steward & Wood, paints	360 30	
Superseal Specialty Co., shellac	213 81	
Tablet & Ticket Co., letters	5 05	
Talbot & Talbot, floor cloths	30 90	
Thorn Twine & Paper Co., mop cloths	28 42	
S. M. Thorne, mop cloths	131 95	
Toronto Hydro Electric System, electric supplies	13 95	
Toronto Iron Works, Ltd., tanks, etc.	169 91	
Toronto Pottery Co., fire brick	52 27	
Toronto Sign Co., lettering	24 50	
Toronto Veneer Co., cottonwood	15 60	
Toronto Welding Co., welding	5 50	
Toronto Wood Turning Works, wood	27 56	
Triplex Weather Strip Co., weather strip	60 90	
Turnbull Elevator Co., repairs	34 71	
U. S. Industrial Alcohol Co., alcohol	251 20	
Universal Sales Co., cleanser	127 14	
Warden King, Ltd., gaskets, etc.	123 39	
Ward Leonard Electric Co., units	9 88	
West Disinfecting Co., towels	19 58	
A. R. Williams Machinery Co., levers	14 11	
C. B. Williams Co., lumber	38 80	
Wm. C. Wilson Co., waste	62 52	
Fred Wood & Son, saws	10 00	
University Press, name plates	42 80	
Items under $5.00 (30)	73 05	
Freight charges, etc.	606 16	
		$83,209 34
		93,058 64

SUPERINTENDENT'S STORES AND SUNDRY LABOUR ACCOUNT.—*Continued.*

Sundry labour, as per pay lists:		
Carpenters	$31,834 93	
Electricians	21,543 84	
Painters	17,638 69	
Plumbers and Steamfitters	26,179 76	
Labourers, firemen, etc.	16,033 57	
Cleaners	35,806 92	
		$149,037 71
		242,096 35

Apportionment of the foregoing:	Labour.	Material.
Administration ($32,678.04):		
Registrar's Office	$18 40	$31 67
Superintendent's Office	1,032 97	....
Library Building	3,971 68	2,092 21
Library Current	252 10	185 56
Gymnasium and Athletics	3,600 41	1,528 49
Military Studies Building	674 40	134 38
Military Studies Department	....	9 67
Military Studies Drill Hall	80 92	29 87
Convocation Hall	2,558 46	741 75
Grounds	14,124 48	1,050 46
Protective Service	77 03	134 07
Examinations	236 30	49 55
Convocation Expenses	34 61	....
Receptions	28 60	....
Faculty of Arts ($35,085.72):		
Main Building	9,219 70	2,721 94
Biological Building	2,331 56	734 38
Biological Department	1,302 02	656 41
Botany Department	126 78	148 96
Chemical Building	2,004 90	888 11
Chemical Department	344 27	153 20
Electro-Chemistry Department	2,749 82	1,818 17
Physical Chemistry Department	55 00	....
Physics Building	2,921 37	744 92
Physics Department	340 49	504 96
Astronomy Department	60 97	36 16
Geology Department	93 71	88 44
Mineralogy Department	22 92	12 97
Psychology Department	149 07	157 64
Mechanics Department	29 29	43 03
Political Science Building	2,469 92	2,145 59
Ancient History Department	6 03	1 02
Orientals Department	1 80	20
Faculty of Medicine ($11,205.52):		
Anatomy Department	60 11	13 43
Pathology Department	255 63	203 10
Pathological Chemistry Department	88 95	87 50
Bio-Chemistry Department	424 20	412 30
Physiology Department	157 57	341 16
Pharmacy Department	37 15	184 39
Medicine, Department of	....	14 40
Maintenance of Building 1 Queen's Park	588 88	258 99
Hygiene Department	337 93	180 98
Medical Building	3,435 21	874 69
Pathological Building	2,289 37	824 45
General Expenses	85 08	50 05
Faculty of Applied Science ($33,774.06):		
Mining Building	5,029 13	1,713 43
Engineering Building	4,192 57	848 72
Electrical Building	3,056 20	1,764 41
Geodetic Observatory Building	265 95	74 98
Electrical Engineering Department	3,731 60	877 44
Mechanical Engineering Department	988 03	1,432 34
Applied Mechanics Department	1,147 29	550 34

Superintendent's Stores and Sundry Labour Account.—*Continued.*

	Labour.	Material.	
Metallurgical Engineering Department ..	2,711 93	1,587 70	
Surveying Department	323 33	77 34	
Chemical Engineering Department	1,187 52	826 80	
Architecture Department	253 72	159 98	
Drawing Department	151 87	94 83	
Engineering Physics Department	14 71	7 93	
Photography Department	116 25	44 41	
General Expenses	1 13	....	
Faculty of Household Science ($4,421.84):			
Household Science Building	3,557 24	796 52	
Household Science Department	27 32	8 68	
Food Chemistry Department	25 22	6 86	
Faculty of Forestry ($1,434.07):			
Forestry Building	751 45	264 00	
Forestry Department	258 59	160 03	
Social Service ($695.06):			
Social Service Building	412 74	161 58	
Social Service Department	65 88	54 86	
University Extension and Publicity	901 54	383 09	
Residences ($16,299.42):			
Men's Residences	8,682 87	1,130 45	
Women's Residences	3,792 88	1,860 89	
University College Women's Union	413 40	418 93	
Royal Ontario Museum	8,247 40	2,966 73	
Central Power Plant	3,426 98	4,854 53	
Contingencies and Miscellaneous	2,908 46	180 15	
Special Research	1,496 23	1,245 17	
University Press	307 51	318 88	
New Buildings	13,960 60	18,861 76	
Ontario College of Education	4,468 02	1,726 30	
Alterations and repairs to sundry properties, various incidental accounts, etc.	1,006 94	534 76	
Work done for members of the staff, etc., (including accounts receivable on 30 June 1922, ($3,396.34)	12,223 90	10,181 14	
Sundry cash sales	....	3,014 59	
	149,037 71	79,770 70	
			$228,808 41
Ledger Balance 30 June 1922	....	....	13,287 94

Appendix VI.

ONTARIO COLLEGE OF EDUCATION.

Expenditures for salaries and maintenance for the year ending 30 June, 1922, as detailed below		$151,855 82
Legislative Grant received therefor	$122,770 00	
Fees received	31,442 00	
	154,212 00	
Net amount unused returned to Provincial Treasurer	2,356 18	
		151,855 82

Salaries.

	Payment to Officer	Superannuation reservation under 7 Geo. V Chap. 58
Professors, each 12 months to 30 June:		
W. Packenham, Dean, @ $6,000	$5,850 00	$150 00
H. J. Crawford, Classics, also Headmaster of University Schools @ $5,220 (absent on sick leave)	5,089 50	130 50
P. Sandiford, Education Psychology, @ $4,800	4,680 00	120 00
Assistant Professors, also Chief Instructors University Schools, each 12 months to 30 June:		
G. A. Cornish, Science, @ $4,375	4,265 62	109 38
J. T. Crawford, Mathematics, @ $4,375	4,265 62	109 38
G. M. Jones, English and History, @ $4,375	4,265 62	109 38
W. C. Ferguson, French and German, @ $4,290	4,182 75	107 25
F. E. Coombs, Elementary Subjects, @ $4,290	4,182 75	107 25
Assistant Professors, each 12 months to 30 June:		
W. E. Macpherson, Education, @ $4,190	4,085 25	104 75
Miss L. L. Ockley, Household Science, @ $3,000	2 925 00	75 00
Lecturers, also Instructors in University Schools, each 12 months to 30 June:		
S. W. Perry, Art and Commercial Work, @ $3,875	3,778 13	96 87
A. N. Scarrow, Manual Training, @ $3,560	3,471 00	89 00
G. N. Bramfitt, Music, @ $3,250	3 168 75	81 25
F. Halbus, Physical Training, @ $2,625 (paid also $300 as Instructor University Gymnasium)	2,559 36	65 64
Miss A. E. Robertson, Instructor in Household Science, 12 months' salary, $2,500	2,437 50	62 50
Instructors in University Schools, each 12 months to 30 June:		
J. O. Carlisle, @ $3,560	3,471 00	89 00
G. A. Cline, @ $3,250	3,168 75	81 25
E. L. Daniher, @ $3,125 (paid also $625 in Faculty of Medicine)	3,046 88	78 12
H. A. Grainger, @ $3,875	3,778 13	96 87
D. E. Hamilton, @ $3,125	3,046 88	78 12
J. A. Irwin, @ $3,750	3,656 25	93 75
W. J. Lougheed, @ $3,875	3,778 13	96 87
N. L. Murch, @ $3,125	3,046 88	78 12
T. M. Porter, @ $3,875	3,778 13	96 87
W. L. C. Richardson, @ $3,250	3,168 75	81 25
J. F. Van Every, @ $3,200 (paid also $625 in Faculty of Medicine)	3,120 00	80 00
W. H. Williams, @ $3,750	3,656 25	93 75
J. G. Workman, @ $3,560	3,471 00	89 00
G. S. Brett, Sessional Lecturer, Graduate Course, Science of Education (paid also as Professor of Philosophy)	200 00	
Clerical Staff:		
Miss L. Swinarton, Secretary, 12 months to 30 June	1,500 00	
Miss Emily Fraser, 1 July to 15 September @ $1,100 per annum (resigned)	229 17	
Miss E. G. Seldon, 15 September to 31 December @ $20 per week; 1 January to 30 June @ $1,100 per annum	853 33	

Ontario College of Education.—*Continued.*

	Payment to Officer	Superannuation reservation under 7, Geo. V Chap. 58
Messenger Service:		
Miss Ella Campbell, 50 weeks @ $11	$550 00	
	106,726 38	$2,651 12
		106,726 38
		109,377 50
Retiring Allowances:		
Teachers' Insurance & Annuity Association, contribution of College for year ending 30 June, 1922, to fund for retiring		$1,512 25
Charges on Investment:		
University of Toronto, proportion of annual payment on debenture issue of 1909 for interest and sinking fund		10,000 00
Maintenance of Building:		
Fuel ($2,771.47):		
Century Coal Co., fuel	$2,728 27	
W. H. Cox Coal Co., fuel	39 45	
Britnell Contracting Co., teaming	3 75	
Light ($1,028.23):		
Consumers' Gas Co.	177 04	
Toronto & Niagara Power Co.	851 19	
Water ($416.09):		
City Treasurer	416 09	
Caretaker's supplies ($611.53):		
Superintendent's Dept., labour, $10.40; material, $601.13	611 53	
Cleaning ($2,757.60):		
Canadian Cleaning Co., cleaning windows	55 00	
Superintendent's Dept., labour	2,702 60	
Repairs and renewals ($2,199 06):		
Routery Bros., repairing ceiling	10 60	
Superintendent's Dept., labour, $1,296.80; material, $891.66	2,188 46	
Telephone service ($161.60):		
Bell Telephone Co.	161 60	
	9,945 58	
Less sundry credits:		
Cleaning, $170.90; lighting, $83.50; repairs, $3.00	257 40	
	9,688 18	
Engineer and caretaker, S. Hunter, 12 months to 30 June	1,600 00	
Fireman ($606.30):		
Chas. Fly @ $75 per month	572 50	
F. Learins, 10 days @ $75 per month	25 00	
P. Stockhill, 16 hours @ 55¢ per hour	8 80	
Nightwatchmen ($1,318.35):		
G. Iliff, 12 months to 30 June	1,200 00	
J. Banford, 25 nights @ $100 per month	118 35	
		13,212 83
Maintenance of Instruction:		
Use of city schools ($5,200.00):		
Board of Education, City of Toronto	5,200 00	
Observation in rural schools ($231.39):		
Dr. J. B. Dandeno, honorarium as instructor in Agriculture	125 00	
Dean Pakenham, expenses of instructors and students re practice teaching	106 39	
Laboratory assistance, etc.:		
Miss M. W. Conner	28 00	
Mrs. Cooper	60 00	
Mrs. Mackerrigan	63 60	
Office supplies, including office furniture, printing, postage, circulars and contingencies ($1,190.42):		
The Bursar, postage supplied	195 00	
Field, Love & House, typewriter inspections	13 00	
Dean Pakenham, stationery and sundries	25 00	
Royal Typewriter Co., typewriter	121 50	
The School, reprints	4 15	
United Typewriter Co., repairs, etc.	84 63	

ONTARIO COLLEGE OF EDUCATION.—*Continued.*

University Press, printing and stationery	$741 90
Freight, sales tax, etc.	5 24
General supplies and apparatus for class-room use, including lockers and furniture, ($2,948.28):	
Acid Proof Ink Co., ink	9 14
Addressograph Sales Co., filing cabinet	60 00
Aikenhead Hardware Co., hardware	4 95
S. Bone & Sons, groceries	42 30
Brigden's Ltd., diplomas	45 00
The Bursar, postage supplied	30 00
Canadian Laboratory Supplies, chemicals	207 94
Central Scientific Co., weights, etc.	50 47
John Castor, sharpening saws	8 00
Miss F. L. Dowling, clerical assistance, 5 weeks @ $25	125 00
T. Eaton Co., towelling, etc.	166 01
E. B. Eddy Co., matches	26 63
Farmer's Dairy Co., milk	15 00
Grasselli Chemical Co., chemicals	37 31
Gutta Percha & Rubber Ltd., hose	60 75
J. A. Haugh Mfg. Co., curtains	14 34
G. M. Hendry Co. magnets, etc.	37 75
Kilgour Bros. Ltd., paper	8 05
R. J. Kirby, bookcase	98 00
R. Laidlaw Lumber Co. Ltd., lumber	6 30
Lyman Bros., chemicals	3 86
Mason & Risch Ltd., rent of piano	45 00
Macey Office Equipment Co., furniture	197 50
Methodist Book & Publishing Co., books, etc.	38 27
Northern Aluminum Co., pans	7 09
Northern Electric Co., ranges	291 17
Dean Pakenham, paid for food supplies, etc. (Household Science)	15 00
W. J. Parks, groceries	140 56
Pathescope of Canada, film service	79 68
J. G. Ramsey Co., plates	30 81
Renouf Publishing Co., atlases, etc.	82 80
J. B. Smith & Sons, lumber	135 00
Students' Book Dept., books	54 20
Vimy Supply Co., accumulators, etc.	64 20
J. L. Vokes & Sons, painters' supplies	6 87
R. M. Williams, engrossing diplomas	30 10
World Book Co., texts	33 12
University Press, stationery and printing	180 40
Petty items (2)	1 30
Superintendent's Dept., freight, $13.39; labour, $240.01; material, $205.01	458 41
Reference books, periodicals and contingencies, ($969.43):	
Houghton, Mifflin Co., books	2 99
Lowe, Martin Co., book supports	63 59
McKinley Publishing Co., books	18 23
McMillan Co. of Canada, books	3 65
National Education Association of the United States, books	5 09
The School, advertising	15 00
Students' Book Dept., books	539 65
University of Chicago Press, subscriptions	7 97
Miss N. E. Walker, assistance in library, 30 weeks	300 00
University Press, index	9 50
Petty items (2)	2 76
Superintendent's Dept., labour	1 00
Physical training, including rent and care of grounds, care of hockey rinks and handball courts, apparatus, Field Day sports and contingencies ($748.91):	
Ryrie Bros., medals and engraving	214 30
A. G. Spalding & Bros., baseball and bats	37 50
Toronto Scottish Football Club, rent of grounds	200 00
University Press, printing	51 40
Superintendent's Dept., labour, $217.21; material, $28.50	245 71

Ontario College of Education.—*Continued.*

Lunchroom equipment ($75.21):		
T. Eaton Co., glasses, plates, etc.	$75 21	
Summer Session ($1,600.00):		
Instructors:		
Prof. W. W. Charters, including $100 for travelling expenses	400 00	
Prof. G. S. Brett	300 00	
Prof. W. E. Macpherson	300 00	
Prof. P. Sandiford	300 00	
Dr. D. E. Hamilton	180 00	
Dean Pakenham	120 00	
The School (magazine):		
University Press, on account of bills for printing	4,638 00	
		$17,753 24
		151,855 82

Appendix. VII

Details of Expenditure on New Buildings.

1. Electrical Building (Construction):

Adams Furniture Co., chairs	$ 108 00	
Aikenhead Hardware Co., hardware	2,587 00	
Archibald & Holmes, excavating	4,716 48	
Wm. Bartlett & Sons, screens	356 61	
Geo. M. Bryan, duct work	2,348 70	
Canada Hardware Ltd., door checks	609 00	
Canada Wire & Iron Goods, ornamental iron	5,837 64	
Canadian Powers Regulator Co., controls	1,372 00	
City Treasurer, diverting water mains	509 37	
A. Collyer & Co., wattmeters	333 00	
Consumers' Gas Co., diverting gas mains	340 02	
Cutter Electrical Mfg. Co., circuit breakers	1,338 44	
Darling & Pearson, architects' fees	16,403 99	
Davis Slate & Mfg. Co., slate	938 97	
G. Duthie & Sons, roofing	4,275 25	
T. Eaton Co., linoleum	511 65	
Electric Controller & Mfg. Co., magnetic contacts	281 30	
A. D. Grant, plastering	3,182 65	
W. S. Henry, carpentry	18,612,76	
Hughes & Co., painting	5,415 70	
Italian Mosaic & Marble Co., marble work	676 31	
A. Matthews Ltd., screens for pipes	39 20	
W. D. Maxson, test borings	227 00	
Rice Lewis & Son, hardware	2,010 68	
R. Robertson & Sons Ltd., masonry	181,066 58	
Sangamo Electric Mfg. Co., meters	208 74	
Speight & Van Nostrand, surveys	60 00	
Swedish General Electric Co., motor generators	7,094 85	
Turnbull Electric Mfg. Co., supplies	2,117 72	
Turnbull Elevator Co., elevators	10,864 42	
Vulcan Asphalt & Supply Co., relaying floors	80 57	
Weston Electrical Instrument Co., line scale	336 22	
A. R. Zimmer, making plans and specifications	450 00	
Superintendent's Dept., freight, $86.43; labour, $21,781.63; material, $49.521.01	71,389 07	
		$346,699 89

Apportionment of the foregoing:

Masonry	179,111 53
Laboratory Wiring	26,869 86
Carpentry	18,612 76
Architects' Fees	16,403 99
Plumbing	13,214 06
Heating	13,114 61
Elevators	10,864 42
Electrical Equipment	8,900 84
Electric Wiring	7,000 00
Lecture Room Equipment	5,934 32
Ornamental Iron Work	5,837 64
Painting	5,415 70
Main Switchboards	4,731 28
Excavating	4,716 48
Roofing	4,275 25
Furnishing Library	3,182 22
Plastering	3,169 95
Lighting Fixtures	2,974 05
Door Locks, etc.	2,587 00
Duct Work	2,348 70
General Hardware	2,010 68
Electric Signals, Clocks, etc.	1,623 21
Grading, Sodding, Concrete Walls, etc.	1,500 00
Moving Gas Mains	955 34
Door Checks	609 00

DETAILS OF EXPENDITURE ON NEW BUILDINGS.—*Continued.*

Making Plans and Specifications	$450 00	
Test Borings	227 00	
Surveys	60 00	
		$346,699 89
Expended prior to 1921-22	324,348 93	
Expended during 1921-22	22,350 96	
		346,699 89
2. Anatomical Building (Construction):		
Canadian Ornamental Iron Co.	3,200 00	
C. B. Cleveland, travelling expenses	157 45	
H. N. Dancy & Sons, Masonry	203,800 00	
Darling & Pearson, architects' fees	18,100 00	
A. D. Lepan, travelling expenses	36 40	
W. D. Maxson, test borings	225 00	
North British & Mercantile Insurance Co., temporary insurance	193 75	
J. C. Scott & Co., Ltd., carpentry	2,000 00	
Speight & Van Nostrand, surveys	122 50	
W. H. Thomson, grading and sodding	298 65	
University Press, mounting plans	14 05	
J. D. Wilson clerk of works	1,400 00	
Superintendent's Dept., labour, $12,566 06; material, $17,268 09	29,834 15	
		259,381 95
Apportionment of the foregoing:		
Masonry	203,800 00	
Architects' Fees	18,100 00	
Plumbing	10,822 18	
Heating and Ventilating	10,372 39	
Electric Wiring	6,664 00	
Ornamental Iron	3,200 00	
Carpentry	2,000 00	
Furnishings and Equipment	1,718 52	
Clerk of Works	1,400 00	
Grading and Sodding	298 65	
Painting	271 11	
Test Borings	225 00	
Travelling Expenses	193 85	
Temporary Insurance	193 75	
Surveys	122 50	
		259,381 95
Expended prior to 1921-22	4,455 50	
Expended during 1921-22	254,926 45	
		259,381 95

REPORT

OF THE

Secretary and Registrar

OF THE

PROVINCE OF ONTARIO

WITH RESPECT TO THE ADMINISTRATION OF

THE ONTARIO COMPANIES ACT,
THE EXTRA-PROVINCIAL CORPORATIONS ACT
AND
THE MORTMAIN AND CHARITABLE USES ACT, ETC.

FOR THE YEAR ENDING OCTOBER 31,

1922

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

TORONTO:
Printed and Published by Clarkson W. James, Printer to the King's Most Excellent Majesty
1923

PRODUCED BY
The
United Press
LIMITED
TORONTO
CANADA

TO HIS HONOUR HENRY COCKSHUTT,
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

The undersigned begs respectfully to present to Your Honour the report prepared with respect to the administration of The Ontario Companies Act, The Extra Provincial Corporations Act, and The Mortmain and Charitable Uses Act, etc., during the fiscal year ending October 31, A.D. 1922.

Respectfully submitted,

H. C. NIXON,
Provincial Secretary and Registrar.

Provincial Secretary's Office,
Toronto, March 23, 1923.

REPORT

OF THE

SECRETARY AND REGISTRAR

OF THE PROVINCE OF ONTARIO

FOR THE YEAR ENDING OCTOBER 31, 1922

Provincial Secretary's Office,
Toronto, March 23, 1923

To The Honourable Harry Corwin Nixon,
Secretary and Registrar of the Province of Ontario.

Sir,—I beg leave to submit the Annual Report of the Provincial Secretary's Office for the year ending October 31, 1922, with respect to the administration of The Ontario Companies Act, The Extra Provincial Corporations Act, and The Mortmain and Charitable Uses Act, etc.

The following table shows the fees as they were received month by month:

Statement of Office Fees Received, by Months, 1921-1922

November	$26,662 90
December	24,925 20
January	45,354 90
February	46,701 79
March	67,632 61
April	37,430 90
May	41,400 00
June	40,156 25
July	21,182 15
August	31,081 90
September	30,049 95
October	38,132 00
Total	$450,710 55

Statement of Source of Fees Received During 1921-1922

Letters Patent, Licenses, etc.	$262,677 75
Companies' Returns	91,644 05
Commissions	4,924 65
By-laws, Copies and Searches	8,044 90
Marriage Licenses	83,419 20
Total	$450,710 55

NUMBER OF CHARTERS, LICENSES, ETC., ISSUED

Year.	Number of Instruments.	Fees.
1892	158	$6,780 00
1893	138	8,465 00
1894	139	7,729 00
1895	174	10,000 00
1896	154	14,335 00
1897	358	34,650 00
1898	295	23,820 00
1899	416	60,817 00
1900	438	71,179 00
1901	450	75,782 00
1902	591	95,330 00
1903	578	107,166 00
1904	673	87,177 00
1905	828	108,621 00
1906	1,045	181,998 11
1907	1,067	227,312 90
1908	924	132,252 50
1909 (ten months)	828	171,695 80
1909-1910	1,110	183,780 45
1910-1911	1,211	235,662 10
1911-1912	1,288	232,079 05
1912-1913	1,305	232,364 35
1913-1914	1,120	176,270 05
1914-1915	1,080	80,744 75
1915-1916	1,265	109,276 00
1916-1917	930	133,503 30
1917-1918	1,047	102,510 75
1918-1919	1,465	214,029 05
1919-1920	1,873	380,025 33
1920-1921	1,696	294,679 51
1921-1922	1,601	450,710 55

The usual Tables and Appendices accompany this Report.

All of which is respectfully submitted.

F. V. JOHNS,

Assistant Provincial Secretary.

List of Companies Incorporated for the Year Ending October 31, 1922.

Name	Address	Capital
A		
Abelson, Limited, Jess	Ottawa	$40,000
Abitibi Mines, Limited (No Personal Liability)	Toronto	3,000,000
Abitibi Transportation & Navigation Company, Limited	Toronto	2,000,000
Acadian Recreation Club, Limited	Toronto	40,000
Acme Timber Company, Limited	Sudbury	100,000
Acme Waste & Woolstox Corporation, Limited	Toronto	500,000
Acorn Bowling and Recreation Club, Limited	Toronto	40,000
Adanac Building Corporation, Limited	Toronto	40,000
Adanac Lumber and Manufacturing Company, Limited	Toronto	40,000
Adanac Texas Oil, Limited	Toronto	200,000
Adapta Sales Corporation; Limited	Toronto	40,000
Adelaide Cream and Produce Company, Limited, The	Forest	8,000
Adoniram Masonic, Limited	Niagara Falls	25,000
Aero Club Buildings, Limited	Toronto	40,000
Aero Heights, Limited	Toronto	40,000
Aetna Cloak Company, Limited	Toronto	40,000
Agnew Bros., Limited	Toronto	40,000
Aladdin Electric, Limited	Hamilton	150,000
Alco Dress Company, Limited	Toronto	40,000
Alexander Drugs, Limited, The	Toronto	40,000
Algoma Lumber Company, Limited	Wiarton	50,000
Algonquin Mines, Limited (no personal liability)	Toronto	2,000,000
Allard Platinum and Gold Mining Company of Ontario, Limited (no personal liability)	Toronto	50,000
Allen Construction Company, Limited	Windsor	40,000
Allen's Drug Stores, Limited	Ottawa	200,000
Allied Finance Company, Limited	Toronto	40,000
Alpha Investments, Limited	Toronto	40,000
Alschbach Gold Mining Company, Limited, The (no personal liability)	Kenogami Lake	2,500,000
Alton Realty Company, Limited	Toronto	500,000
Aluminum Heel Company, Limited	Toronto	40,000
Aluminum Specialty Company, Limited	Toronto	100,000
American Matachewan Gold Mines, Limited (no personal liability)	Toronto	2,000,000
American Show Card System, Limited	Toronto	1,000,000
Anderson Music Company, Limited	Sault Ste. Marie	100,000
Anglo American Securities Corporation, Limited	Toronto	40,000
Anglo Porcupine Gold Mines, Limited (no personal liability)	Toronto	3,000,000
Anglo-Saxon Gold Mines, Limited (no personal liability)	Toronto	3,000,000
Ansonville Pharmacy, Limited	Ansonville	40,000
Apex Knitting Company, Limited, The	Ingersoll	500,000
Applegath, Limited, Jess	Toronto	200,000
Aquamobile, Limited	Toronto	40,000
Argonaut Rowing Club Holding Company, Limited	Toronto	100,000
Armour Heights, Limited	Toronto	300,000
Armstrong, Limited, A. H	Chatham	40,000
Armstrong Company, Limited, The John	Brigden	150,000
Armstrong & Strange, Limited	Toronto	40,000
Arrow Drug Co., Limited	Kenora	10,000
Arrow River & Tributaries Slide & Boom Company, Limited	Port Arthur	32,400
Art Films (Ontario), Limited	Toronto	40,000
Art Novelty Company, Limited	Toronto	40,000
Art Scientific Auto Painting Company, Limited, The	Toronto	100,000
Artemis Sweets, Limited	Brantford	200,000
Atherley Telephone Association, Limited, The	Atherley	1,800
Atkinson Cleaners and Dyers, Limited	Toronto	40,000
Atlas Iron Wire and General Metal Works, Limited	Toronto	40,000
Austin & Nicholson, Limited	Chapleau	1,000,000
Avonmore Realty Company, Limited	Ottawa	40,000
Aylmer Shoes, Limited	Aylmer	200,000
B		
B.D.H. Company, Limited	Crystal Beach	40,000
Babayans, Limited	Toronto	250,000
Bailes & Sons, Limited, John	Oshawa	100,000

List of Companies Incorporated for the Year Ending October 31, 1922—*Continued*

Name	Address	Capital
Balaclava Telephone Company, Limited	Balaclava	$4,000
Baldock, Limited, W. G.	Richmond Hill	40,000
Bancroft Mines Syndicate Limited (no personal liability)	Toronto	250,000
Banquet Tea & Coffee Company, Limited	Toronto	100,000
Barrie Beach Amusement Company, Limited	Barrie	40,000
Barwick Radio Company, Limited	Hamilton	40,000
Batchawana Timber and Improvement Company, Limited	Batchawana Bay	30,000
Battery Repair and Service Company, Limited	Toronto	40,000
Bauer Chemical Co., Limited, The	Toronto	50,000
Beach Rural-Electric System, Limited	Iroquois	100,000
Beachville Co-operative Dairy Co., Limited	Beachville	40,000
Beacon Electric Manufacturing Co., Limited, The	Hamilton	50,000
Beacon Soap Company, Limited, The	Hamilton	100,000
Beacon Tire and Rubber Company, Limited, The	Toronto	500,000
Beattie Automatic Phonograph Company, Limited, The	Toronto	500,000
Beatty Gold Mines, Limited (no personal liability)	Toronto	2,000,000
Beauty Lingerie Company, Limited, The	Toronto	40,000
Beaver Creek Ranching Company, Limited	Charlton	50,000
Beaver Exhibition Shows, Limited, The	Hamilton	70,000
Beaver Laundry Machinery Company, Limited, The	Toronto	50,000
Beaver Maple Products, Limited	Whitby	40,000
Begin Auto Supply Company, Limited	Oshawa	40,000
Belgium Congo Corporation, Limited	Toronto	1,000,000
Belleville Capitol Theatre, Limited	Toronto	200,000
Belleville Electric & Stampings, Limited	Belleville	40,000
Bennett, Limited, C. M.	Walkerville	40,000
Bertram Realty Company, Limited	Toronto	40,000
Betsy Ross Confections, Limited	Toronto	100,000
Big Dyke Consolidated Gold Mines, Limited (no personal liability)	Toronto	10,000,000
Birch Cliff Club, Limited	Birch Cliff	50,000
Bison Chemical Company of Canada, Limited	Bridgeburg	10,000
Bison Gold, Limited (no personal liability)	Toronto	40,000
Bituminous Spraying and Contracting Company, Limited, The	Hamilton	250,000
Black Diamond Coal Company, Limited	Toronto	40,000
Blanchard & Campbell, Limited	Port Arthur	75,000
Blue Quartz Gold Mines, Limited (no personal liability)	Toronto	3,000,000
Blue Streak Amusement Company, Limited	Toronto	50,000
Bond Worth Carpets Canada, Limited	Toronto	500,000
Bookcraft Publishing Company, Limited	Toronto	50,000
Border Cities Athletic Club, Limited	Windsor	40,000
Border Cities Hospital Company, Limited	Windsor	60,000
Border Cities Motor Sales, Limited	Windsor	40,000
Border Lumber Company, Limited	Fort Frances	200,000
Border Mining Company, Limited	Toronto	40,000
Bowes Dollar Livery, Limited	Toronto	40,000
Boyle Company, Limited, H. J.	Peterborough	40,000
Bracebridge and Northwood Telephone Company, Limited, The	Bracebridge	4,000
Bradford Textile Company, Limited	Toronto	40,000
Brampton Paste & Gum Company, Limited	Brampton	40,000
Brandon Rodgers, Limited	Toronto	40,000
Brankston & Sons, Limited, O.	Toronto	40,000
Brant-Kirkland Gold Mines, Limited (no personal liability)	Toronto	3,000,000
Brantford Brass Foundry Company, Limited	Brantford	100,000
Brantford Journal, Limited, The	Brantford	40,000
Brantford Poultry, Limited	Brantford Twp.	10,000
Brent and Company, Limited, William C.	Toronto	250,000
British-American Coal and Ice Company, Limited	Ford City	40,000
British-Colonial Coal Mines, Limited (no personal liability)	Toronto	500,000
Brodey Investments, Limited	Toronto	100,000
Brookbank Gold Mining Company, Limited	Toronto	1,000,000
Brooke & Bastedo, Limited	Toronto	40,000
Brown, Limited, P. L.	Oshawa	50,000
Brown & Forhan, Limited	Toronto	40,000
Browning Press, Limited, The	North Bay	100,000
Bruce Products Corporation, Limited	Windsor	40,000
Brucell, Limited	Toronto	100,000

List of Companies Incorporated for the Year Ending October 31, 1922—*Continued.*

Name	Address	Capital
Brudenell Telephone Company, Limited, The	Brudenell	$2,500
Brunswick Bowling Club, Limited, The	Toronto	100,000
Brupbacher, Limited, E. W.	Toronto	150,000
Bruton's Pure Food Bakery, Limited	Sarnia	60,000
Buchanan Lake Fishing Club, Limited, The	Huntsville	40,000
Buckler Shoe Company, Limited, J. H	Fort William	40,000
Builders Financial Corporation, Limited	Toronto	40,000
Bulmer's (Hamilton), Limited	Hamilton	40,000
Burkell-Sullivan, Limited	Toronto	100,000
Burlington Golf and Country Club, Limited	Burlington	100,000
Burlington Securities, Limited	Hamilton	4,000,000
Bush English China Company, Limited, The	Port Hope	1,000,000
Business Investments, Limited	Toronto	40,000
Business Publications, Limited	Toronto	40,000
Buyrite, Limited	Toronto	250,000
C		
Calcus Company, Limited	Toronto	250,000
Caldwell Feed & Milling Company, Limited	Dundas	150,000
Caldwell Gas Utilities, Limited	Hamilton	300,000
Cameron Porcupine Mines, Limited, The (no personal liability)	Timmins	1,000,000
Campbell-Adams, Limited	Toronto	40,000
Canada Foils, Limited	Toronto	250,000
Canada Garments, Limited	Toronto	40,000
Canada Golf Ball Company, Limited	Toronto	40,000
Canada Star Rubber Co., Limited	Toronto	200,000
Canadian Advance Car Mover Company, Limited	Welland	40,000
Canadian Aluminum & Brass Company, Limited	Walkerville	250,000
Canadian Automatic Conveyor Company, Limited	Brantford	40,000
Canadian Beverages, Limited	Toronto	40,000
Canadian British Securities, Limited	Toronto	100,000
Canadian By-Products Company, Limited, The	Hamilton	600,000
Canadian Coin Lock Company, Limited	Walkerville	40,000
Canadian Composition Company, Limited	Walkerville	40,000
Canadian Electrical Equipment Company, Limited	Toronto	10,000
Canadian Essential Oils, Limited	Toronto	100,000
Canadian Fox Club, Limited	Parry Sound	150,000
Canadian Home Furnishing Company, Limited, The	Windsor	40,000
Canadian Industrial Investments, Limited	Toronto	500,000
Canadian Knitted Silk Fabrics, Limited	Toronto	100,000
Canadian Light Railway Construction Company, Limited, The	Toronto	1,500,000
Canadian Lorrain Silver Mines, Limited (no personal liability)	Haileybury	2,000,000
Canadian Magazine Publishing Company, Limited	Toronto	100,000
Canadian Mid-Continent Oil Co., Limited (no personal liability)	Toronto	1,500,000
Canadian Mining Syndicate, Limited	Toronto	250,000
Canadian Municipal Equipment Corporation, Limited	Toronto	250,000
Canadian Operatic Society, Limited	Toronto	40,000
Canadian Products Regalia Company, Limited	Toronto	40,000
Canadian Quality Pictures, Limited	Toronto	200,000
Canadian Rubber Cushion Bumper Co., Limited	Toronto	40,000
Canadian Service Stations, Limited	Toronto	10,000
Canadian Shorthorn Journal, Limited, The	Guelph	50,000
Canadian Show Case and Manufacturing Company, Limited	Windsor	40,000
Canadian Weightless Pulley Company, Limited	Toronto	100,000
Canadian Wholesale Tailors, Limited	Toronto	50,000
Canadian Wire Wheel and Enamelling Company, Limited	Toronto	50,000
Capital Motors of Ottawa, Limited	Ottawa	40,000
Carlton Publicity Service of Canada, Limited	Toronto	50,000
Carlton Theatre, Limited	Toronto	50,000
Carmichael, Limited, A. W	Toronto	250,000
Casa Loma Cream, Butter & Cheese Mfg. Co., Limited, The	Selby	3,600
Cassidy Works, Limited	Georgetown	40,000
Castle-Trethewey Mines, Limited (no personal liability)	Toronto	2,000,000
Cedar Brook Golf and Country Club, Limited	Toronto	150,000
Central Butchers of Toronto, Limited	Toronto	40,000

List of Companies Incorporated for the Year Ending October 31, 1922—*Continued.*

Name	Address	Capital
Central Garage, Limited	Kingston	$50,000
Central Recreation Club, Limited	Toronto	100,000
Central Sales and Service, Limited	Toronto	100,000
Centreville Dairy Company, Limited	Centreville	10,000
Century Productions, Limited	Toronto	100,000
Chamberlain Company, Limited, The T. W.	Prescott	55,000
Chambers-McCaffrey Construction, Limited	Toronto	50,000
Champion Gold Mines, Limited (no personal liability)	Toronto	500,000
Chartered Bond Corporations, Limited	Toronto	40,000
Chartered Timber, Lands, Mines, Limited	Toronto	50,000
Chatham Dairy Company, Limited, The	Harwich	40,000
Chelmsford Anthracite Coal Company, Limited, The	Toronto	100,000
Chemical Securities, Limited	Toronto	250,000
Chippawa Sand & Towing Company, Limited	Chippawa	100,000
Chippewa-Kirkland Mining Company, Limited (no personal liability)	Toronto	2,000,000
Chisholm Construction Company, Limited	Lancaster	45,000
Chown & Co., Limited, A.	Kingston	200,000
City Fiscal Agencies, Limited	Toronto	250,000
City Garage of Collingwood, Limited, The	Collingwood	40,000
Civic Publishers, Limited	Toronto	40,000
Clark Shoe Company, Limited	Ayr	40,000
Clarke Electric Co., Limited, The	Toronto	40,000
Clatworthy Lumber Company, Limited	London	40,000
Clayton's Women's Wear, Limited	Toronto	40,000
Climax Rubber Company of Canada, Limited, The	Dunnville	1,500,000
Cobourg Co-operative Creamery Company, Limited	Cobourg	25,000
Cobourg K. of C. Home, Limited, The	Cobourg	25,000
Coland Construction Company, Limited	Toronto	40,000
Coldbrook Cheese Company, Limited, The	Lansdowne	10,000
College Bowling Club, Limited, The	Toronto	40,000
College Heights Estates, Limited	Toronto	50,000
Columbus Kirkland Gold Mining Company, Limited (no personal liability)	Toronto	2,500,000
Commercial Gas Corporation, Limited	Toronto	2,750,000
Commercial Printers, Limited	Toronto	40,000
Commercial Properties, Limited	Hamilton	40,000
Community Service Stations, Limited	Hamilton	40,000
Coneybeare's Limited	Toronto	40,000
Coneybeare & Irving Construction Co., Limited	Toronto	40,000
Coniston Trading Company, Limited	Coniston	40,000
Consolidated West Dome Lake Mines, Limited (no personal liability)	Toronto	5,000,000
Consumers' Co-operative Store Company, Limited	Nipigon	14,000
Continental Bond Corporation, Limited, The	Toronto	50,000
Continental Grocery Stores, Limited	Toronto	40,000
Continental Mines, Limited (no personal liability)	Sudbury	2,500,000
Cook Bros. & Allen Co., Limited	Toronto	250,000
Cook's Tobacco Shops, Limited	Toronto	40,000
Cooper Baking Co., Limited	Walkerville	40,000
Co-operative Engravers, Limited	Toronto	10,000
Cope & Sons, Limited, A.	Hamilton	40,000
Copper Lake Mining Company, Limited (no personal liability)	Toronto	500,000
Coppins Company, Limited	Ridgeway	40,000
Corporation Securities, Limited	Toronto	40,000
Coughlins, Limited	Toronto	40,000
Court Street Auto Storage, Limited, The	Toronto	100,000
Craig Coal Company, Limited	Toronto	40,000
Craig Damper Regulator Company of Canada, Limited	Toronto	40,000
Crawford Hotel Company, Limited, The	Windsor	750,000
Credit Alliance Financial, Limited	Toronto	5,000,000
Credit Securities Company, Limited, The	Toronto	1,000,000
Creelmans, Limited	Georgetown	200,000
Crescent Electrics, Limited	Toronto	100,000
Crosier & Company, Limited, J. J.	Stratford	40,000
Cross, Limited, L. G.	Toronto	40,000

List of Companies Incorporated for the Year Ending October 31, 1922—*Continued.*

Name	Address	Capital
Crowhurst Company, Limited, The	Toronto	$40,000
Crowland Brick and Tile, Limited	Welland	40,000
Crown Shoe Company, Limited, The	Toronto	40,000
Cruickshank-Guild, Limited	Toronto	40,000
Crumlin Co-operative Association, Limited, The	Crumlin	25,000
Crysler Machine Works, Limited	St. Catharines	40,000
Cuban Foodstuffs, Limited	Toronto	40,000
Culley, Breay & Dover, Limited	Hamilton	250,000
Culverhouse, Limited	Vineland Station	200,000
Cutts, Limited, S. H	Toronto	40,000
D		
D. F. and H. Company, Limited, The	Toronto	60,000
Dainty Confections, Limited	Toronto	40,000
Damp and Company, Limited, J. H	Toronto	40,000
Davey Hardware Company, Limited, The	St. Thomas	200,000
Davidson Company, Limited, M	Ottawa	200,000
Davidson Motor Co., Limited, The	Whitby	40,000
Davies, Limited, A. B	Toronto	400,000
Davis Printing Company, Limited	Hamilton	150,000
Davis Printing Company, Limited, G. A	Toronto	40,000
Day & Co., Limited, R. E	Toronto	10,000
Dayton Wright Company, Limited	Toronto	40,000
Dean's Sunnyside Pleasure Boats, Limited	Toronto	300,000
Decorations, Limited	Toronto	40,000
Deegan Shoe Store, Limited	North Bay	40,000
Delmore Candy Shops, Limited, The	Toronto	100,000
De Longchamp Cartage Company, Limited	Sudbury	40,000
Delta Properties, Limited	Hamilton	450,000
Detroit-Goudreau Gold Development Company, Limited (no personal liability)	Windsor	2,500,000
Dexter Lock Company, Limited	Hamilton	100,000
Diamond Devices, Limited	Hamilton	50,000
Dill Manufacturing Company of Canada, Limited, The	Toronto	40,000
Discount Corporation of Canada, Limited	Hamilton	300,000
Dobsons Groceteria, Limited	Hamilton	250,000
Dolgoff Drug Company, Limited, The	Toronto	40,000
Dollar Taxi, Limited	Toronto	40,000
Dominion Chick Hatcheries, Limited, The	Toronto	40,000
Dominion Coal & Wood Limited	Toronto	40,000
Dominion Electric Manufacturing Company, Limited	Toronto	60,000
Dominion Fabrics, Limited, The	Dunnville	250,000
Dominion Films, Limited	Toronto	50,000
Dominion Holding Co., Limited	Toronto	40,000
Dominion Home Builders, Limited	Toronto	100,000
Dominion Industrial and Financial Investments, Limited	Toronto	40,000
Dominion Oil, Limited	Toronto	500,000
Dominion Putty Company, Limited	Toronto	40,000
Dominion Radio Supplies, Limited	Guelph	40,000
Dominion Silk Mills, Limited	Toronto	100,000
Dominion Soda Water Company of London, Limited	London	15,000
Don Pharmacy, Limited	Toronto	40,000
Donwoods, Limited	Toronto	40,000
Doran Construction Company, Limited	Ottawa	100,000
Double Diamond Lumber Company, Limited	Mattagami Hghts	100,000
Douglas Hotel Company, Limited, The	Sioux Lookout	100,000
Drapery Trimmings, Limited	Toronto	50,000
Dreadnought Rubber Company, Limited	Toronto	300,000
Drug Distributors, Limited	Oshawa	90,000
Dryo Cabinet Company, Limited, The	Toronto	40,000
Dufferin Coal Mining Company, Limited (no personal liability)	Toronto	500,000
Duffy Hardware Company, Limited	Toronto	100,000
Du Maurier Beauty Parlours, Limited, The	Hamilton	50,000
Dr. Du Maurier's Beauty Preparations, Limited	Hamilton	200,000
Dundas Bowling Club, Limited, The	Toronto	40,000

List of Companies Incorporated for the Year Ending October 31, 1922—*Continued.*

Name	Address	Capital
Dundas Motor Sales, Limited	Toronto	$100,000
Dunlop Candy Company, Limited	Toronto	40,000
Dunsford Co-operative Rink Co., Limited	Dunsford	10,000
Dunwich Oil Company, Limited (no personal liability)	Mimico	100,000
Durham Hosiery Mills, Limited	Bowmanville	200,000
Dutch Food Shop, Limited	Hamilton	40,000
Dye Intermediates, Limited	New Toronto	150,000
Dyment, Limited	Toronto	60,000
E		
Eagle Drug Company, Limited	Toronto	40,000
Earl Motor Sales Corporation, Limited	Toronto	80,000
Eastern Home Builders Company, Limited, The	Toronto	40,000
Eastman Lumber Company, Limited, The	Hamilton	40,000
Easton-Edwards Motor Sales Co., Limited	Windsor	40,000
Eckel's, Limited	Toronto	40,000
Edwards & White, Limited	Toronto	40,000
Electric Appliances, Limited	Toronto	40,000
Electric Lighting Products, Limited	Toronto	40,000
Electro-Castings, Limited	Collingwood	40,000
Electro Chemical Company, Limited, The	Niagara Falls	500,000
Electroplax Company, Limited, The	Toronto	200,000
Elgin Davenport Company, Limited	Toronto	40,000
Elie & Soucie, Limited	Sudbury	40,000
Elliott Realty Company, Limited	Toronto	25,000
Emmett Stores, Limited, The	Toronto	40,000
Empire Billiard Company, Limited	Toronto	40,000
Empire Finance & Investments, Limited	Toronto	40,000
Empire Tailored Clothes, Limited	Toronto	100,000
Engineering and Radio Supplies, Limited	Toronto	100,000
English Canadian Securities, Limited	Toronto	40,000
Equitable Investments, Limited	Toronto	500,000
Erie Downs Golf and Country Club, Limited	Fort Erie	200,000
Essex Electric and Construction Company, Limited	Windsor	40,000
Eureka Kirkland Gold Mines, Limited (no personal liability)	Cobalt	500,000
Evans Company, Limited, E.	Toronto	40,000
Everhot Chemical Company, Limited	Toronto	200,000
Ever Ready Fuel Cartage and Supply Company, Limited	Toronto	40,000
Excello Company, Limited	Toronto	100,000
F		
Fairbank Block & Supply Company, Limited, The	Toronto	40,000
Falls Machinery and Supplies, Limited	Niagara Falls	40,000
Farm Machinery and Merchandise Company, Limited	Toronto	2,000,000
Farmers Co-operative Company of Prescott, Limited, The	Prescott	10,000
Farms Development, Limited	Toronto	250,000
Federal Agencies, Limited	Toronto	40,000
Federal Building Corporation, Limited	Toronto	1,000,000
Federal Discount Corporation of Canada, Limited	Toronto	2,000,000
Federal Realty & Insurance Agencies, Limited	Toronto	50,000
Financial Equipment Corporation, Limited	Toronto	250,000
Financial Service Company, Limited	Toronto	200,000
Fishermen's Co-operative Association, Limited	Windsor	40,000
Fletcher-Reis Brush Company, Limited	Toronto	60,000
Forsyth, Limited, John	Kitchener	500,000
Fortier, Beauchesne and Company, Limited	Sturgeon Falls	150,000
Fourth Line of Bathurst Telephone Association, Limited, The	Perth	300
Freeman-Huckvale, Limited	Toronto	100,000
French Brothers, Limited	Toronto	50,000
French River Park and Navigation Company, Limited, The	North Bay	40,000
Fuel Service, Limited	London	300,000
Furniture Finance Corporation, Limited	Toronto	1,000,000

List of Companies Incorporated for the Year Ending October 31, 1922—*Continued.*

Name	Address	Capital
G		
Galbraith-Macdonald Co., Limited	Toronto	$40,000
Galt Electric Fixtures, Limited	Galt	50,000
Galt Flour Mills, Limited, The	Galt	40,000
Galt Publishers, Limited	Galt	100,000
Gamble-Robinson Cochrane, Limited	Cochrane	40,000
Gardiner & Son, Limited, P. W	Galt	500,000
Gartshore, Limited, John J	Toronto	100,000
Gauthier Mines, Limited, The (no personal liability)	London	100,000
Gelber Investments, Limited	Toronto	100,000
Gem Manufacturing Company, Limited	Toronto	20,000
General Plating Company, Limited	Toronto	40,000
General Products, Limited	Toronto	40,000
General Trading Corporation, Limited, The	Toronto	100,000
Gentle, Travis and Weinraub, Limited	Toronto	40,000
Georgetown Arena, Limited, The	Georgetown	40,000
Georgetown Lumber Company, Limited, The	Georgetown	100,000
Gladstone Milk and Produce Company, Limited, The	Dorchester Twp., P.O. at Belmont.	10,000
Glendale Investments, Limited	Toronto	40,000
Glen Norman Dairy Company, Limited	Dalhousie Station	10,000
Glenview Golf and Country Club, Limited	Petrolia	40,000
Gold Island Mining Company, Limited (no personal liability)	Toronto	5,000,000
Gold Medal People, Limited, The	Toronto	100,000
Gold Medal Radio-Phonograph Corporation, Limited, The	Uxbridge	300,000
Gold Range Mines, Limited (no personal liability)	Sault Ste. Marie	3,000,000
Good Housekeeping Appliances, Limited	Toronto	100,000
Gordon Murray Gold Mines, Limited	Toronto	2,500,000
Gore Mutual Telephone Company, Limited	Harrow	420
Gore Street Pharmacy, Limited	Sault Ste. Marie	10,000
Goudreau-Superior Mining Company, Limited (no personal liability)	Windsor	1,500,000
Grace Invalid Bed Chair Company, Limited	Toronto	50,000
Graham-Rite, Limited	Toronto	150,000
Great Lakes Trap Rock Company, Limited	Sault Ste. Marie	200,000
Greb Welt Shoes, Limited	Kitchener	40,000
Green, Limited, C. M	Sault Ste. Marie	40,000
Greenaway-Kestle, Limited	Toronto	40,000
Greenfields, Limited	Toronto	40,000
Grenfell-Kirkland Gold Mines, Limited	Toronto	2,500,000
Grenville Milling Company, Limited, The	Merrickville	25,000
Grozell Kirkland Gold Mines, Limited	Haileybury	3,000,000
Guaranty Acceptance, Limited	London	500,000
Guelph Castle Theatre, Limited	Guelph	100,000
Guelph Masonic Temple, Limited	Guelph	60,000
Guelph Motor Bus Company, Limited, The	Guelph	40,000
Gunns Athletic Association, Limited	Toronto	2,500
Gun-Son-Ola Company, Limited, The	Wingham	150,000
Gurney Properties, Limited	Toronto	300,000
Guthrie Co-operative Sporting Company, Limited, The	Guthrie	3,500
Gwatkin Candy Company, Limited	Windsor	50,000
H		
Hague & Loucks, Limited	Toronto	40,000
Hall & Company, Limited, W. A	Toronto	100,000
Haley and Company, Limited, R. B	Toronto	150,000
Hall Gear and Machine Company, Limited	Toronto	150,000
Hamilton Business Sites, Limited	Hamilton	40,000
Hamilton and District Investments, Limited	Hamilton	500,000
Hamilton Home Builders, Limited	Hamilton	500,000
Hamilton Iceless Refrigerator Company, Limited	Hamilton	50,000
Hamilton Leather Company, Limited, G. & J	Toronto	100,000
Hamilton and Suburban Bus Company, Limited, The	Hamilton	50,000
Hamilton Typesetting Company, Limited	Hamilton	125,000

List of Companies Incorporated for the Year Ending October 31, 1922—*Continued.*

Name	Address	Capital
Hamilton United Theatres, Limited	Toronto	$3,000,000
Hamlin Company, Limited, O. P.	Windsor	50,000
Hanover Cement and Stone, Limited	Hanover	1,500,000
Hanover Converters, Limited	Hanover	100,000
Harley Fire Escapes, Limited	Georgetown	40,000
Harrington, Limited, G. T.	Toronto	40,000
Harvey Kirkland Mines, Limited (no personal liability)	Toronto	5,000,000
Harwood Rural Telephone Company, Limited, The	Harwood	6,000
Hawkesbury Curling Rink, Limited, The	Hawkesbury	10,000
Hayden Gold Mines Company, Limited (no personal liability)	Toronto	5,000,000
Henderson & Company, Limited, E. H.	Haliburton	40,000
Hermant Investments, Limited	Toronto	40,000
Heyes Bros. Paper Box Company, Limited	Toronto	40,000
Hidrokarbo-Fuel-Appliances, Limited	Toronto	1,000,000
High Pressure Oil & Gas Syndicate, Limited, The	Windsor	40,000
Highland Golf Club, Limited	London	100,000
Hillrust Fruit Growers, Limited	Thorold Twp., P.O. at Fonthill	15,000
Hinsperger Harness Company, Limited	Sault Ste. Marie.	125,000
Hipel, Limited, N.O.	Preston	100,000
Hogg Coal Company, Limited, The William	Waterloo	200,000
Holding Consolidated Gold Mines, Limited (no personal liability)	Toronto	5,000,000
Hologden Mines, Limited (no personal liability)	North Bay	1,000,000
Home Smith, Limited	Toronto	250,000
Howard and Elgert, Limited	Hamilton	40,000
Howes & Sons, Limited, John	Harriston	40,000
Hudnut, Limited, Richard	Toronto	50,000
Hughes Music Sales Company, Limited	Toronto	150,000
I		
Ice Lake Telephone Company, Limited, The	Ice Lake	3,000
Ideal Box and Paper Specialities, Limited	Toronto	150,000
Ideal Contracting & Building Company, Limited	Toronto	300,000
Ideal Garment Manufacturing Company, Limited, The	Toronto	40,000
Ideal Garment Mfg. Company, Limited	Toronto	200,000
Idylwylde Golf and Country Club, Limited	Sudbury	40,000
Imperial Radiator Company, Limited	Toronto	500,000
Independent Builders, Limited	Toronto	40,000
Index Visible of Canada, Limited	Toronto	40,000
Industrial Laboratories, Limited	Toronto	15,000
Industrial Lock Nut Company of Canada, Limited	Windsor	100,000
Industrial Minerals Corporation of Canada, Limited (no personal liability)	Toronto	150,000
Ingersoll Cone & Paper Box Co., Limited	Ingersoll	50,000
Ingram's Restaurants, Limited	Toronto	100,000
Innes, Lumsden Industries, Limited	Hamilton	75,000
Insured Savings Service, Limited	Richmond Hill	40,000
Inter City Forwarders, Limited	Hamilton	40,000
Intercity Transport, Limited	Hamilton	40,000
International Accessories, Limited	Toronto	100,000
International Holdings Company, Limited	Toronto	200,000
International Rubber Corporation, Limited	Toronto	60,000
International Tank & Silo Company, Limited	Toronto	40,000
Intravenous Products Company of America, Limited	Toronto	50,000
Iroquois Falls Drug Company, Limited	Iroquois Falls	40,000
J		
Jackson Cabinet Company, Limited	Durham	100,000
Jackson Development Company, Limited (no personal liability)	Port Arthur	40,000
James Bay Resources Corporation, Limited	Toronto	100,000
Jarvis Creamery and Produce Company, Limited, The	Jarvis	40,000
Jarvis Gold Mines, Limited (no personal liability)	Toronto	50,000
Jem Rubber Company, Limited	Toronto	500,000
Jewett Radio-Phonographs, Limited	Windsor	1,000,000

List of Companies Incorporated for the Year Ending October 31, 1922—*Continued.*

Name	Address	Capital
Johnston Radio, Limited, Donald F.	Toronto	$40,000
Johnston Company, Limited, F. W.	Toronto	60,000
Johnston Manufacturing Company, Limited, F. M.	Toronto	40,000
Johnston Rubber Company, Limited	Toronto	40,000
Jones Company, Limited, A. C.	Hamilton	40,000
Joyce Brothers, Limited	Bronte	45,000
Justrite Specialty Company, Limited	Toronto	40,000
K		
K-T Foundry, Limited	Galt	100,000
Kapuskasing Rivers Improvement Company, Limited	Elsas	100,000
Kawartha Resorts, Limited	Toronto	150,000
Keeley Silver Mines, Limited, The, (No personal liability.)	Silver Centre	2,000,000
Keens, Limited	Toronto	150,000
Keith Electric Refrigerator Company, Limited	Toronto	100,000
Kenora Commercial & Social Club, Limited, The	Kenora	20,000
Kenwood Garage & Machine Works, Limited	Toronto	40,000
Kerr Line Telephone Company, Limited, The	Forester's Falls	7,000
Kerr's Hardware, Limited	Dundas	40,000
Keyworth Garage and Service, Limited	Hamilton	60,000
King Edward Beauty Parlors, Limited	Toronto	40,000
King Engineering and Contracting Company, Limited, The	Toronto	100,000
King Phonograph Company, Limited	Toronto	300,000
Kingston Curlers, Limited	Kingston	40,000
Kingston Factories, Limited	Kingston	100,000
Kinnon Lumber Company, Limited, The	Toronto	25,000
Kirkland Excelsior Gold Mines, Limited, The. (No personal liability.)	New Liskeard	3,000,000
Kirkland Federal Mines, Limited. (No personal liability.)	Toronto	2,500,000
Kirkland Gateway Gold Mines, Limited. (No personal liability.)	Toronto	2,000,000
Knapp-Heintzman, Limited	Toronto	300,000
Knights of Columbus Building Association of Amherstburg, Limited	Amherstburg	40,000
Knights of Columbus Building Association of Brockville, Limited, The	Brockville	40,000
Korah Central Telephone Company, Limited	Sault Ste. Marie	6,000
Kosher Beef Products Company, Limited, The	Toronto	40,000
Kroch Brothers, Limited	Toronto	40,000
L		
La Pharmacie Du Peuple, Limited	Ottawa	25,000
Lackawanna Tubes, Limited	Welland	525,000
Ladies' Apparel Company, Limited	Toronto	40,000
Laing & Co., Limited, R. D.	Toronto	40,000
Lake Erie Beach Company, Limited	Kingsville	40,000
Lake Erie Brick & Tile Company, Limited	Leamington	100,000
Lake Shore Land Company, Limited	Toronto	40,000
Lake Simcoe Bungalows, Limited	Newmarket	40,000
Lake Temiskaming Boat Company, Limited	Haileybury	40,000
Lambton Co-operative Milling Company, Limited	Oil Springs	14,900
Lancastrian Steamship Company, Limited	Toronto	40,000
Landreville Estates, Limited	Toronto	50,000
Landreville & Sons, Limited, Joseph	Toronto	100,000
Lane, Limited, E. J.	Toronto	40,000
Law Construction Company, Limited, The	Toronto	250,000
Lawrence Park Garage, Limited	Toronto	100,000
Leader Cloak Co., Limited, The	Toronto	100,000
Leamington Lumber Company, Limited, The	Leamington	60,000
Leather and Smye, Limited	Hamilton	100,000
Lee Valley Co-operative Cheese Factory, Limited	Lee Valley	2,500
Legion Press, Limited	Toronto	100,000
Lemore Land Co., Limited	Toronto	40,000
Lighting Fixtures, Limited	Toronto	40,000

List of Companies Incorporated for the Year Ending October 31, 1922—*Continued.*

Name	Address	Capital
Lincoln Manufacturing Company, Limited	St. Catharines	$60,000
Lincoln Securities Company, Limited, The	Toronto	1,000,000
Lindsay Camp Company, Limited, Fred	Toronto	40,000
Lindsay Golf and Country Club, Limited	Lindsay	40,000
Linwood Cheese & Butter Co., Limited, The	Linwood	2,500
Lion Safety Spring, Limited, The	Toronto	40,000
Listowel Flax Mills, Limited	Listowel	40,000
Little Britain Telephone Company, Limited	Little Britain	25,000
Livingstone Press, Limited, The	Toronto	40,000
Lloyd and Son, Limited, C.	Wingham	80,000
Lockers Equipment, Limited	Toronto	40,000
London Bridge Works, Limited	London	100,000
London Health Resorts, Limited, The	London	400,000
London Metal Products, Limited	London	60,000
London Pure Gasoline Company, Limited	London	150,000
Lorne Tractors, Limited	St. Thomas	300,000
Lorrain Operating Company, Limited. (No personal liability.)	Toronto	40,000
Lorraine Milk and Butter Company, Limited, The	Crysler	10,000
Lower Bonnechere Telephone Company, Limited, The	Wilberforce Twp. (P.O. Eganville)	2,000
Lower Sturgeon Power Company, Limited	Toronto	600,000
Lowery's, Limited	Port Arthur	40,000
Lowry Contractors, Limited	St. Catharines	40,000
Loxel Tile Company of Ontario, Limited, The	Toronto	60,000
Luke, Boys, Limited	Bowmanville	40,000
Lyric Theatre Company, Limited	Brantford	275,000
Lyttle and Kennedy Studios, Limited	Toronto	40,000
M		
M-K Drug Company, Limited, The	Toronto	40,000
Mack Realty & Construction Company, Limited	Windsor	50,000
MacLean & Sons, Limited, A. B.	Welland	100,000
Maclean Packing Company, Limited	Kingston Junction	25,000
Mammoth Porcupine Mines, Limited. (No personal liability.)	Toronto	3,000,000
Mandel & Company, Limited, P.	Hamilton	25,000
Manhattan Shoe Company, Limited	Toronto	40,000
Manning Cold Storage Company, Limited	Toronto	100,000
Manufacturers' Chemical Company, Limited, The	Toronto	100,000
Manufacturers' Credit Bureau, Limited	Toronto	40,000
Many's, Limited	Welland	100,000
Maple Community Hall, Limited	Maple	10,000
Maple Grove Dairy, Limited	Toronto	40,000
Maple Grove Telephone Company, Limited, The	Shelburne	1,200
Maple Leaf Hosiery Company, Limited	Toronto	40,000
Marathon Lumber Company, Limited	Big Wood	40,000
Marentette Realties Corporation, Limited	Windsor	40,000
Marketing Publishers, Limited	Toronto	75,000
Markham Pharmacy, Limited	Toronto	40,000
Marks-Gould, Limited	Ottawa	40,000
Marland Woolnough, Limited	Niagara Falls	500,000
Marshall Company, Limited, The John	London	100,000
Martin Lumber Company, Limited, M.	Huntsville	50,000
Martin-Lyons Fuel Company, Limited	London	40,000
Martins Milk Products, Limited	Welland	200,000
Massey Securities, Limited	Toronto	500,000
Matachewan Cairo Goldfields, Limited	Toronto	40,000
Matachewan Canadian Gold, Limited. (No personal liability.)	Toronto	5,000,000
Matachewan Power Company, Limited	Toronto	1,000,000
Mawsan Syndicate, Limited. (No personal liability.)	Toronto	50,000
Mayer Company, Limited, The	Toronto	40,000
Mayfair Company, Limited, The	Toronto	40,000
McBride's Garage, Limited	Toronto	100,000
McCall Shirt Company, Limited, R. E.	Toronto	40,000
McCormick Wholesale, Limited, J. J.	Sault Ste. Marie	130.000
McCully-Barlow, Limited	Hamilton	40.000

List of Companies Incorporated for the Year Ending October 31, 1922—*Continued.*

Name	Address	Capital
McDonald & Willson Lighting Studios, Limited	Toronto	$50,000
McGill Autopower, Limited	Toronto	200,000
McIntyre-Adams, Limited	Toronto	100,000
McKay Company, Limited, Alex	Toronto	40,000
McKay School Equipment, Limited, The	Toronto	75,000
McKenzie Porcupine Mines, Limited. (No personal liability.)	South Porcupine	3,000,000
McLeod Milling Company, Limited	Stratford	100,000
McQuigge-Morse, Limited	Toronto	100,000
McQuire-Robinson Radium & By-Products, Limited, The. (No personal liability.)	Parry Sound	1,000,000
Meco-Catharine Development Co., Limited. (No personal liability.)	Toronto	50,000
Melady Company, Limited	Toronto	100,000
Mellway Bros., Limited	Toronto	40,000
Menango Mining Company, Limited, The. (No personal liability)	Sudbury	200,000
Menie Cheese and Butter Manufacturing Company, Limited, The	Seymour	4,000
Michener Lumber Company, Limited	Smithville	40,000
Middlesex Motors, Limited	London	100,000
Midland Golf and Country Club, Limited	Midland	50,000
Midland Steam Laundry Company, Limited	Midland	50,000
Mikado Consolidated Mines, Limited. (No personal liability.)	Kenora	5,000,000
Millard & Company, Limited, G. R	Brantford	40,000
Miller Company, Limited, R. J	Toronto	50,000
Miller-Kinghan Stores, Limited	Toronto	210,000
Millions Lake Gold Mines, Limited. (No personal liability.)	Toronto	2,000,000
Minister Shoe Co., Limited, The	Toronto	100,000
Mississauga Beach Land Company, Limited, The	Toronto	50,000
Mitchell & Wilson, Limited	Gananoque	200,000
Model Cloak and Suit Company, Limited, The	Hamilton	50,000
Modern Laundry Service, Limited	Toronto	40,000
Monarch Battery Company, Limited, The	Kingston	40,000
Monarch Mortgage and Investments, Limited	Toronto	1,500,000
Montreal-Kirkland Mines, Limited. (No personal liability.)	Kirkland Lake	2,500,000
Montreal-Ontario Mines, Limited. (No personal liability.)	Kirkland Lake	5,000,000
Moore Construction Co., Limited, The	Windsor	50,000
Morland, Limited, David J	North Bay	15,000
Morley Company of Canada, Limited, The	Toronto	100,000
Mosa and Ekfrid Co-operative Company, Limited, The	Glencoe	10,000
Mother's Chocolates, Limited	Toronto	150,000
Mount Forest General Hospital, Limited	Mount Forest	25,000
Moyer, Limited, A. W	Toronto	50,000
Mutual Dairy & Land Company, Limited, The	Pickering	40,000
Myers Lumber and Manufacturing Company, Limited, The	Toronto	200,000
N		
National Chemical Compounds, Limited	Toronto	75,000
National Discount Corporation, Limited	Sault Ste. Marie	300,000
National Fruit & Wine Co., Limited	Toronto	500,000
National Pharmacy, Limited	Toronto	40,000
National Polish Company, Limited	Toronto	75,000
National Radio-Homes Service Corporation, Limited	Toronto	100,000
Neeland, Limited, R. H	Fort William	40,000
Nelson Threshing Company, Limited, The	Nelson	10,000
New Era Machine and Tool Company, Limited	Toronto	60,000
New Hamburg Flour Mills, Limited	New Hamburg	50,000
New York Porcupine Mines, Limited. (No personal liability.)	Toronto	2,500,000
Newell-Inrig Drug Company, Limited	Toronto	40,000
Newman Club, Limited	Toronto	100,000
Newmarket Arena, Limited	Newmarket	40,000
Newmarket Dairy Company, Limited, The	Newmarket	20,000
Niagara Double-Wall Construction Company, Limited	Hamilton	40,000
Niagara Falls Arena, Limited	Niagara Falls	500,000
Nickerson Company, Limited, The R. W	Windsor	40,000
Nicolson Sales and Service Corporation, Limited, The	Hamilton	120,000
Night Hawk Peninsular Mines, Limited. (No personal liability.)	Toronto	5,000,000

List of Companies Incorporated for the Year Ending October 31, 1922—*Continued.*

Name	Address	Capital
Non-Freeze Battery Manufacturing Company, Limited	Simcoe	$75,000
Non-Twist Electric, Limited	Toronto	150,000
Noranda Mines, Limited. (No personal liability.)	Toronto	500,000
North American Finance Corporation, Limited	Toronto	40,000
North American Graphite Company, Limited	Toronto	800,000
North American Securities, Limited	Toronto	300,000
North Bay Canadian Pacific Employees Club, Limited	North Bay	40,000
North Bay Elks Holding Association, Limited, The	North Bay	25,000
Northern Empire Theatres, Limited	Timmins	250,000
Northern Feed and Seed Company, Limited	Sault Ste. Marie	40,000
Northern Granite and Rock, Limited	Toronto	40,000
Northern Oil Company, Limited, The	Sault Ste. Marie	40,000
Northern Ontario Hotel Company, Limited	Kirkland Lake	100,000
Northern Ontario Mining and Development Company, Limited	Sudbury	250,000
Northern Resources, Limited	Toronto	100,000
Novelty Reed Manufacturing Company, Limited	Toronto	100,000
Noyes Mining Company, Limited. (No personal liability.)	Peterborough	1,000,000
Nugget Publishers, Limited	North Bay	100,000
O		
O Amusement Company, Limited, The	Erieau	200,000
Oak Halls, Limited	Hamilton	1,000,000
Oak Realty Company, Limited	Toronto	35,000
Oakland Dairy, Limited	Toronto	100,000
Oakwood Construction Company, Limited	Windsor	100,000
O'Brien Colleges, Limited	London	25,000
Ofield and Sons, Limited, M.	Grimsby	400,000
Ogilvie, Lochead, Limited	Brantford	200,000
O'Hart Clutch Lock Company, Limited	Richmond Hill	40,000
Oil Refining Company of Canada, Limited	Toronto	100,000
Old Colony Securities, Limited	Toronto	40,000
Olympia Recreation Club, Limited, The	Toronto	40,000
O'Neill Shoe Store, Limited, The T. F.	Chatham	40,000
Ontario Anthracite Mines, Limited	Toronto	500,000
Ontario Boys Wear, Limited	Toronto	75,000
Ontario Construction Company, Limited, The	St. Catharines	50,000
Ontario Creamery, Limited, The	Toronto	200,000
Ontario Diamond Company, Limited, The	Toronto	100,000
Ontario Directory and Map Co., Limited, The	Toronto	40,000
Ontario Discount and Bond Corporation, Limited	Toronto	2,000,000
Ontario General Omnibus Company, Limited	Toronto	600,000
Ontario Iron and Lumber Company, Limited, The	Sault Ste. Marie	1,000,000
Ontario-Lorrain Development Syndicate, Limited. (No personal liability.)	Toronto	1,000,000
Ontario Machinery and Supply Company, Limited	Hamilton	50,000
Ontario Marvel Millers, Limited	Toronto	40,000
Ontario National Development Corporation, Limited	Toronto	6,000,000
Ontario Potteries Company, Limited	Bowmanville	300,000
Ontario Sanitary Kabinet Company, Limited	Toronto	250,000
Ontario Shale Brick, Limited	Hamilton	100,000
Ontario Silknit, Limited	Toronto	100,000
Ontario Soap Company, Limited	Hagersville	500,000
Ontario Underwriters and Investors, Limited	Toronto	40,000
Orangeville Arena, Limited, The	Orangeville	40,000
Oriental Billiard Parlour, Limited, The	Toronto	20,000
Orillia Creamery Company, Limited, The	Orillia	40,000
Orillia Glove Mfg. Co., Limited	Orillia	40,000
Oshawa Curlers, Limited	Oshawa	40,000
Oshawa Sales & Service, Limited	Oshawa	100,000
Ostrom-Catherine Development Company, Limited. (No personal liability.)	Toronto	50,000
Osweka Gold Mines Limited. (No personal liability.)	Cobalt	3,000,000
Ottawa Sectional Home Building Company, Limited, The	Ottawa	40,000
Ottawa Securities & Finance Corporation, Limited	Ottawa	500,000
Ouelette Avenue Market, Limited	Windsor	200,000

List of Companies Incorporated for the Year Ending October 31, 1922—*Continued.*

Name	Address	Capital
Overall Tire Co., Limited, The	Toronto	$50,000
Own Your Home, Limited	Toronto	40,000
Oxford Pure Gasoline Company, Limited	Toronto	150,000
P		
Palais Royale Amusement Company, Limited	Toronto	60,000
Palmer Masonic, Limited	Bridgeburg	40,000
Palmer's Used Car and Salvage Co., Limited, George A.	Kingston	50,000
Paper Excelsior, Limited	Toronto	40,000
Paragon Products, Limited	Toronto	750,000
Paramount Port Arthur Theatres, Limited	Toronto	10,000
Parkhill-Arkona Telephones, Limited	Arkona	25,000
Parkview Gardens, Limited	Toronto	50,000
Parslow and Company, Limited, Hugh	Fort William	50,000
Patten Brothers, Limited	Windsor	40,000
Pawnee-Kirkland Gold Mines, Limited. (No personal liability.)	Toronto	3,000,000
Payko Products, Limited	Toronto	40,000
Payne & Hardy, Limited	Hamilton	50,000
Peace River Development Company, Limited. (No personal liability.)	Toronto	3,000,000
Peace River Drilling Company, Limited. (No personal liability.)	Toronto	1,500,000
Pearce Publishing Company, Limited	Simcoe	60,000
Peard & Company, Limited	Toronto	40,000
Pearson Batteries, Limited	Toronto	40,000
Pearson Shoe Company, Limited, The H. W.	Toronto	225,000
Pelmo Realty Company, Limited	Toronto	120,000
Pembroke Golf Club, Limited, The	Pembroke	40,000
Pendell Boiler Company of Ontario, Limited	Toronto	500,000
Pendergast Fence Company, Limited, The	Sarnia	100,000
Peninsula Transportation System, Limited	Toronto	150,000
Penn Kirkland Gold Mines, Limited. (No personal liability.)	Toronto	2,500,000
Pens Oil and Gas Company, Limited	Windsor	40,000
Pennsylvania Oils, Limited	Toronto	100,000
Peoples Securities, Limited	Toronto	40,000
Pepsin Syrup Company, Limited	Toronto	40,000
Perfect Elastic Seal Company, Limited, The	Guelph	25,000
Perfect Knit Mills, Limited	Listowel	750,000
Perth and Christy's Lake Telephone Company, Limited, The	Perth	5,000
Petry, Limited, Geo. E.	Toronto	40,000
Phippen Lumber Co., Limited, The F. G.	Toronto	40,000
Pioneer Improvement Corporation, Limited	Windsor	800,000
Pitt, Limited, Alfred	Dryden	100,000
Plant Realty Company, Limited	Ottawa	100,000
Point Pelee Park Company, Limited, The	Leamington	250,000
Porcupine Creek Mines, Limited. (No personal liability.)	Toronto	3,000,000
Porcupine Grande Gold Mines, Limited. (No personal liability.)	Toronto	5,000,000
Porcupine Producer, Limited. (No personal liability.)	Toronto	2,000,000
Port Colborne Foundry Company, Limited	Port Colborne	40,000
Port Hope Printing Company, Limited	Port Hope	40,000
Port Milford Canning Company, Limited	Picton	100,000
Porter Manufacturing Company, Limited, The A. D.	Galt	40,000
Porter-Premier Gold Mines, Limited. (No personal liability.)	Toronto	2,500,000
Premier Construction Company, Limited	Walkerville	40,000
Premier Investments, Limited	Toronto	40,000
Premier Phonograph Company, Limited, The	Toronto	40,000
Premier Theatre, Limited	Toronto	50,000
Priscilla, Limited	Toronto	40,000
Promotion and Finance, Limited	Toronto	40,000
Prost-Forde-Westell, Limited	Windsor	100,000
Prouse Milk Products Company, Limited	Dereham Twp.	3,500
Providence Gold Mines, Limited. (No personal liability.)	Monissette Twp. (P.O. at Kirkland Lake.)	2,000,000
Provident Securities Company, Limited, The	Clarkson	40,000
Provincial Homebuilders, Limited	Toronto	40,000

List of Companies Incorporated for the Year Ending October 31, 1922—*Continued.*

Name	Address	Capital
Provincial Realty and Securities, Limited	Kitchener	$200,000
Prudential Bond Company, Limited	Toronto	40,000
Pugsley Co., Limited, Wm.	Toronto	150,000
Purdy Radio Phonograph Company, Limited	Toronto	40,000
Pure Food Cafetaria, Limited	Toronto	40,000
Pure Gasoline Company, Limited	Toronto	2,000,000
Pure Gasoline Company, Limited	Toronto	40,000
Purity Bread & Cake Co., Limited, The	Cochrane	40,000
Q		
Quality Meat and Grocery Company, Limited	Sudbury	10,000
Queen City Printing Ink Company, Limited	Toronto	40,000
Queen City Tools, Limited	Toronto	100,000
Quill Mines, Limited. (No personal liability.)	Toronto	500,000
Quinn & Co., Limited, W. F.	Hamilton	40,000
R		
Radio Devices, Limited	Gananoque	40,000
Radio Laboratories, Limited	Toronto	250,000
Radiophone Corporation of Canada, Limited	Toronto	500,000
Radio Press of Canada, Limited	Toronto	40,000
Radium Remedies Company, Limited	Welland	50,000
Rainbow Mines, Limited. (No personal liability.)	Toronto	40,000
Rapid Building Construction Company, Limited	Toronto	40,000
Rash Realty, Limited	Toronto	40,000
Redden Telephone Company, Limited	Tamworth	6,500
Reed Manufacturing Company, Limited, The	Toronto	40,000
Reformer Printing and Publishing Company, Limited, The	Oshawa	60,000
Regal Sales Company, Limited	Toronto	50,000
Regent Amusements of Hamilton, Limited	Hamilton	75,000
Regent Electric Supply Company, Limited	Toronto	40,000
Regent Securities Corporation, Limited, The	Toronto	40,000
Reid Company, Limited, The A. L.	Toronto	40,000
Reliable Cleaners & Dyers, Limited	Toronto	40,000
Reliable Investing Company, Limited, The	Toronto	40,000
Reliable Silk Company of Canada, Limited	Toronto	40,000
Reliance Coal & Coke Co., Limited	Toronto	50,000
Reliance Curing Core, Limited	Toronto	40,000
Reliance Realty Company, Limited	St. Jacob's	60,000
Ribble Mines, Limited. (No personal liability.)	Toronto	2,000,000
Richardson Building, Limited	Toronto	125,000
Richardson, Sheppard and Company, Limited	Toronto	50,000
Richardson, Singer & Company, Limited	Toronto	250,000
Richmond Construction Company, Limited	Richmond Hill	40,000
Richmond Press, Limited	Toronto	300,000
Richmond Securities, Limited	Toronto	40,000
Richmond Theatre, Limited	Toronto	50,000
Richmuir Company, Limited, The	Toronto	100,000
Ritz Costume Company, Limited	Toronto	40,000
Riverdale Brick Company, Limited	Toronto	40,000
Riverside Development Company, Limited	Toronto	40,000
Rixon, Lacy & McCarroll, Limited	Toronto	40,000
Roanoke Homes, Limited	Hamilton	100,000
Robinson Garage, Limited, Harold	Niagara Falls	40,000
Rockcliffe Securities, Limited	Gloucester Twp. (Rockcliffe P.O.)	500,000
Rockwood Rural Shipping Association, Limited, The	Rockwood	10,000
Rogers Securities Corporation, Limited	Toronto	100,000
Rondeau Land Company, Limited, The	Chatham	100,000
Rose & O'Hearn, Limited	Toronto	50,000
Rosedale Pharmacy, Limited	Toronto	40,000
Roseville Rural Telephone Company, Limited, The	Montague Twp. (P.O. at Smith's Falls.)	10,000

List of Companies Incorporated for the Year Ending October 31, 1922—*Continued.*

Name	Address	Capital
Ross Securities, Limited	Toronto	$500,000
Roth Garments, Limited	Toronto	40,000
Roxborough, Limited, E. L.	Toronto	40,000
Royal Brush Company, Limited	Hamilton	40,000
Royal City Oil Company, Limited, The	Guelph	50,000
Rudd Brush and Lettering Company, Limited	Hamilton	40,000
Russell-Bell Flour Mills, Limited	Newmarket	60,000
Russell Hill Land Company, Limited	Toronto	40,000
Rutledge and Stewart, Limited	Fort William	50,000
Ruttan-Bolduc, Limited	Port Arthur	40,000
S		
S. & S., Limited, The	Toronto	40,000
S. U. & W. Electrical Manufacturing Company, Limited	Hamilton	40,000
Samuel & Benjamin, Limited	Toronto	2,000,000
Sanitary Carpet Cleaning and Rug Weaving Company, Limited	Toronto	40,000
Sanitary Ice Supply, Limited	Peterborough	100,000
Sanito Service Company, Limited	Toronto	150,000
Sarnia Apartments, Limited	Sarnia	100,000
Sarnia Arena, Limited, The	Sarnia	100,000
Sarnia Feed and Produce Company, Limited	Sarnia	40,000
Sarnia Riding Club, Limited, The	Sarnia	40,000
Satin Finish Hardwood Flooring, Limited	Toronto	100,000
Sault Ste. Marie Films, Limited	Sault Ste, Marie	300,000
Savings Assurance Agency, Limited	Toronto	1,000,000
Scales and Store Specialties, Limited	Windsor	40,000
Schwartz and Company, Limited, J.	Toronto	500,000
Schwartz-Barber, Limited	Port Elgin	50,000
Score's Balaclava, Limited	Toronto	100,000
Scotch Line and Stanleyville Telephone Co., Limited	Perth	10,000
Scotia Junction Trading Company, Limited, The	Scotia Junction	40,000
Scott Lumber Company, Limited	Port Arthur	50,000
Scott Paint-Varnish Company, Limited, The	London	10,000
Scottish Fertilizers, Limited	Humberstone Twp. (P.O. at Welland.)	500,000
Seaton & Roche, Limited	Stratford	40,000
Self Service Motors, Limited	Toronto	50,000
Selznick Pictures (Canada), Limited	Toronto	40,000
Service Drug Stores, Limited	Toronto	40,000
Service Press, Limited	Toronto	40,000
Shackell Edwards Company (Canada), Limited	Toronto	150,000
Shackleton Forest Products, Limited	Toronto	175,000
Shareholders Securities, Limited	Toronto	60,000
Sharp Engineering Company, Limited	Toronto	150,000
Shaw Porcupine Gold Mines, Limited, The. (No personal liability.)	Toronto	3,000,000
Sheffield King Street, Limited	Toronto	100,000
Shepard, Limited, E. J.	Hamilton	40,000
Sheppard-Dunn Lumber Company, Limited, The	Waubashene	40,000
Sheppard and Gill Lumber Company, Limited, The	Toronto	150,000
Silver Spring Ice Company, Limited, The	Guelph	50,000
Silverwood's Dairy, Limited	Chatham	200,000
Silverwood's Storage, Limited	London	40,000
Simplex Products, Limited	Toronto	250,000
Simpson, Limited, Fred	Toronto	40,000
Sinclair Dancing and Amusements, Limited	Ottawa	40,000
Slater and Kelly, Limited	Hamilton	60,000
Sloan, Limited, Dr. Earl S.	Toronto	50,000
Small Investments, Limited, The	Toronto	40,000
Smith Carbon Paper, Limited	Toronto	40,000
Smith and Company, Limited, Joseph H.	Toronto	40,000
Smith, Limited, R. J.	Ottawa	500,000
So-Cosy, Limited	St. Mary's	50,000
Solar Service Company, Limited	Toronto	40,000

List of Companies Incorporated for the Year Ending October 31, 1922—*Continued.*

Name	Address	Capital
Soo House Furnishings, Limited	Sault Ste. Marie	$40,000
Soo Lumber and Mill Company, Limited	Sault Ste. Marie	150,000
South Argo Gold Mines, Limited. (No personal liability.)	Toronto	2,000,000
South Colchester Telephone Co., Limited, The	Harrow	352
Spruce Falls Housing Corporation, Limited	Kapuskasing	40,000
Spruce Falls Timber Investments, Limited	Kapuskasing	40,000
St. Charles Cleaners, Limited	Toronto	75,000
St. Clair Electric and Hardware, Limited	Toronto	40,000
St. Louis Jones & Faulkner, Limited	Windsor	60,000
St. Thomas Milk Products Company, Limited	St. Thomas	350,000
Staller Products, Limited	Toronto	100,000
Standard Discount Company, Limited	Toronto	100,000
Standard Lumber and Supplies, Limited	Windsor	40,000
Standard Sales Corporation, Limited	Toronto	50,000
Standard Stone Company, Limited, The	Windsor	40,000
Statten Camp Company, Limited, Taylor	Toronto	40,000
Stedman-Cronkheit Company, Limited, The	Walkerville	40,000
Sterilized Egg, Limited, The	London	100,000
Sterling Development Company, Limited	Toronto	200,000
Sterling Mortgage Securities, Limited	Toronto	1,000,000
Sterling Sales and Service Company, Limited	North Bay	50,000
Sterling Theatre, Limited	Toronto	50,000
Sterne and Sons, Limited, G. F.	Brantford	250,000
Steven & Groff Lumber Company, Limited	Beamsville	40,000
Stevenson Fruit Co., Limited	Hamilton	100,000
Stevenson & Hevey, Limited	Toronto	40,000
Stewart Menzies & Company, Limited	Toronto	40,000
Stewart Scully Company, Limited	Toronto	250,000
Stocking and Yarn Shops, Limited	Orillia	100,000
Stocks Bread, Limited	Peterborough	250,000
Stodgell & Symes Motor Sales, Limited	Leamington	40,000
Strain & Emery, Limited	Windsor	40,000
Stratford Sanitarium Company, Limited, The	Stratford	60,000
Strathcona Paper Company, Limited	Strathcona	600,000
Strathgowan Park, Limited	York Mills	40,000
Streetsville Lumber Company, Limited	Toronto	150,000
Strong Sales Service, Limited	Toronto	100,000
Submarine Automatic Fish Hooker Company, Limited	Toronto	40,000
Sudbury Golf Club, Limited	Sudbury	40,000
Sunnyside Service Company, Limited	Toronto	40,000
Superior Auto Company, Limited	Sault Ste. Marie	40,000
Superior Concrete Products, Limited	Toronto	50,000
Superior Pistons, Limited	Elmira	120,000
Sutcliffe & Needlands, Limited	New Liskeard	50,000
Sutins', Limited	Toronto	40,000
Sutton & Clarke, Limited	Toronto	100,000
Sydenham Brick and Tile Company, Limited, The	Wallaceburg	40,000
Sydenham Co-operative Company, Limited	Wallaceburg	10,000
T		
T. H. Hardware & Supplies, Limited	Thornhill	40,000
Taber-Ford Construction Company, Limited	Twp. of York (P.O. at Toronto)	40,000
Tanners Chemical Company, Limited	Toronto	40,000
Taylor Tool Co., Limited, J. A. M.	Toronto	100,000
Teasdall's Clothes Shop, Limited	Toronto	40,000
Tecumseh Arena, Limited	London	100,000
Tecumseh Park Athletic Association, Limited	London	250,000
Terrell Fruit Company, Limited	Sudbury	40,000
Textile Processing Co., Limited	Toronto	50,000
Thistledown Golf & Country Club, Limited	Toronto	200,000
Thomas Gold Mining Company, Limited. (No personal liability.)	Toronto	600,000
Thompson, Limited, O. W.	Kitchener	200,000
Thomson Motor Supplies, Limited	Toronto	300,000
Thornton and Sons, Limited, F. P.	Dundas	50,000

List of Companies Incorporated for the Year Ending October 31, 1922—*Continued.*

Name	Address	Capital
Thunder Bay Paper Co., Limited	Port Arthur	$100,000
Timlin Point Realty and Development Company, Limited	Toronto	45,000
Timmins Heights, Limited	Timmins	40,000
Tinsel Manufacturing Company, Limited	Toronto	40,000
Tionaga Lumber Co., Limited	Ottawa	500,000
Tire Rite Manufacturing Co., Limited	Toronto	40,000
Tod Company, Limited, The H. G	Toronto	40,000
Tod's Bread, Limited, D. M	Oshawa	40,000
Tomlinson Foundry Company, Limited, T	Toronto	40,000
Tompkins & Co., Limited	Toronto	40,000
Toronto's Arcadia, Limited	Toronto	50,000
Toronto China & Glass, Limited	Toronto	40,000
Toronto Coal Briquetting Company, Limited	Toronto	250,000
Toronto Fuels, Limited	Toronto	40,000
Toronto Hardwood Lumber Company, Limited	Toronto	40,000
Toronto Junction District Orange Building Company, Limited	Toronto	100,000
Toronto Leases, Limited	Toronto	40,000
Toronto Manor Estates, Limited	Toronto	412,000
Toronto Milling Company, Limited, The	Toronto	950,000
Toronto Real Estate Finance Corporation, Limited	Toronto	100,000
Toronto Simonizing Company, Limited	Toronto	40,000
Toronto Textiles, Limited	Toronto	40,000
Touring Car Equipment Company, Limited	Toronto	75,000
Trainmen Silver Mining Company, Limited. (No personal liability.)	Cobalt	500,000
Transcontinental Paper Company, Limited	Toronto	5,000,000
Tru-Set Wheel Company, Limited, The	Toronto	300,000
Tubing and Moulding Company, Limited	Toronto	40,000
Tuck-Rich Cafeterias, Limited	Toronto	50,000
Tune's, Limited	London	100,000
Tunnel City Social Club, Limited, The	Sarnia	25,000
Turgeon Company, Limited	Toronto	40,000
U		
Union Cheese and Butter Co., Limited	Napanee	5,000
Unique Rims, Limited	Toronto	500,000
United Bond Company, Limited	Windsor	250,000
United Building Corporation, Limited	Toronto	60,000
United Carbon Paper Mfg. Co., Limited, The	Toronto	50,000
United Lines, Limited	Hamilton	600,000
United Mineral Lands, Limited	Toronto	40,000
United Molybdenum Corporation, Limited. (No personal liability.)	Toronto	750,000
Universal Battery Co., Limited	Hamilton	100,000
Universal Garage Company, Limited	Grimsby	40,000
Uplands Golf and Country Club, Limited, The	Toronto	300,000
V		
Vacuettes, Limited	Toronto	500,000
Vickers, Limited, George	Barrie	60,000
Victoria Securities, Limited	Toronto	40,000
Victoria Theatre, Limited	Toronto	50,000
Vipond Consolidated Mines, Limited. (No personal liability.)	Timmins	2,000,000
Virgil Lee, Limited	Toronto	40,000
W		
Wabigoon Community Hall, Limited, The	Wabigoon	10,000
Wabigoon Soapstone Company, Limited. (No personal liability.)	Toronto	500,000
Walker, Limited, J. H	Toronto	20,000
Walkerside, Limited	Walkerville	1,500,000
Wanless Hardware, Limited	Chatham	100,000
Warminster Dairy Co., Limited, The	Dummer Twp. (P.O. Warsaw.)	5,000

List of Companies Incorporated for the Year Ending October 31, 1922—*Continued.*

Name	Address	Capital
Warner & Co., Limited, William R.	Toronto	$100,000
Warren and Findlay, Limited	Toronto	40,000
Waterford Cut Glass Company, Limited, The	Waterford	40,000
Waupoos Canning Company, Limited	Picton	80,000
Webber Company, Limited, C. B.	Hamilton	40,000
Wedgwood Knitting Mills, Limited	Toronto	40,000
Welland Packing Company, Limited, The	Welland	100,000
Wellesley Garages, Limited	Toronto	250,000
Wells Motors, Limited	London	150,000
Welsh Lumber Company, Limited, The	Toronto	40,000
Wenger Milling Company, Limited	Ayton	75,000
Wentworth Dairy Company, Limited, The	Hamilton	250,000
Wentworth Finance Corporation, Limited	Hamilton	1,000,000
Wentworth Radio Supply Company, Limited	Hamilton	100,000
West Point Assembly Hall Company, Limited, The	New Toronto	40,000
Western Canada Flour Mills Company, Limited, The	Toronto	40,000
Westons Drug Co., Limited	Toronto	40,000
Wexford Co-operative Arena Company, Limited	Wexford	10,000
Wheling Sprinkler Head of Canada, Limited	Toronto	150,000
Whistle Bottling Company of Hamilton, Limited, The	Hamilton	100,000
White, Limited, M. E.	Toronto	40,000
White and Sullivan Lumber Co., Limited	Toronto	50,000
Whitefish Lake Fur Farming Company, Limited	Fort William	40,000
Whyte Lambert Holding Company, Limited	Toronto	40,000
Wigwam Mining Company, Limited, The. (No personal liability.)	Elk Lake	2,000,000
Wilkins-Young Audit Company, Limited	London	40,000
Wilkinson-Kompass, of Hamilton, Limited	Hamilton	500,000
Will and Company, Limited, Charles R.	London	65,000
Williamson Lumber Company, Limited, W.	Toronto	100,000
Wilson Motor Bodies, Limited	Toronto	100,000
Windsor Drug Co., Limited	Windsor	40,000
Wireless Vacuum Cleaner Company, Limited, The	Chatham	150,000
Wise Heating and Plumbing Company, Limited	Toronto	40,000
Withrow Lawn Bowling Social Club, Limited	Toronto	40,000
Woodhouse Crushed Stone Company, Limited, The	Port Dover	40,000
Woods Underwear Company, Limited	Toronto	100,000
Woodstock Pipe Organ Builders, Limited	Woodstock	40,000
Y		
Yeates & Company, Limited, Charles	Guelph	100,000
Yellow Cab Company of Essex County, Limited, The	Windsor	50,000
Yonge & Bloor Realty, Limited	Toronto	50,000
York Bargain House, Limited	Toronto	40,000
York Coal Company, Limited	Toronto	100,000
York Downs Golf and Country Club, Limited, The	Toronto	200,000
York Finance Corporation, Limited	Toronto	40,000
York Hardware, Limited	Toronto	100,000
York Investments, Limited	Twp. of York. (P. O. at Todmorden.)	5,000,000
York Underwriters, Limited	Toronto	40,000
Young & Co., Limited, J. M.	Brantford	100,000
Z		
Zero-Zone, Limited	Welland	500,000

List of Corporations Without Share Capital.

Name of Corporation	Place
A	
Alliance Tabernacle, Willowvale Park	Toronto.
Alpha Delta Phi House of Toronto, The	Toronto.
Amalgamated Veterans of Galt, The	Galt.
American Women's Club of Toronto, The	Toronto.
Army and Navy Postal Association	Toronto.
Association Athletique Montagnard	Ottawa.
Aurora Veterans' Club	Aurora.
B	
Bedford Park West Ratepayers' Association, The	York Twp. (Bedford Park P. O.)
Bedworth United Farmers' Co-operative Corporation, Limited	Bedworth.
Big Cedar Association	Innisfil Twp. (Belle Ewart P.O.)
Bnai Yankev Congregation	Niagara Falls.
Bonne Entente League	Ottawa.
Border Cities' Credit Bureau	Windsor.
Buffalo Club and Institute	Toronto.
C	
Canadian Bureau of Envelope Manufacturers, The	Toronto.
Canadian Roller Canary Club, The	Toronto.
Central Poultry Council of Toronto and District, The	Toronto.
Chedoke Civic Golf Club	Hamilton.
Chinese Mission and Christian Association of Ottawa, The	Ottawa.
Chiropractic Association of Ontario	Toronto.
Clan Macgillivray of Port Arthur	Port Arthur.
Club Saint-Jean-Baptiste de Tilbury	Tilbury.
Commercial Travellers' Club of Brockville, The	Brockville.
Crystal Beach Volunteer Fire Department	Crystal Beach.
D	
Daughters of Israel Society	Toronto.
Dawes Road War Veterans and Ratepayers' Association	York Twp.
District Union of Toronto of the Woman's Christian Temperance Union	Toronto.
E	
Electric Home League	Toronto.
Empire Auto Service Association	Toronto.
Esras Nushem Society of Toronto	Toronto.
Eureka Club, The	Oshawa.
F	
Falls View Hose Brigade	Falls View.
Federation of Business Associations of Toronto, The	Toronto.
First Spiritualist Church of Stratford	Stratford.
Fordwich Community Association	Fordwich.
French-Canadian Amateur Athletic Association of Ottawa	Ottawa.
Frontenac Fishermen's Protective Association, The	Kingston.
H	
Hamilton Children's Fresh Air Camp	Hamilton.
Hamilton Electrical Development League	Hamilton.
Hanover Memorial Hospital	Hanover.
Harrowsmith Co-operative Association, Limited	Harrowsmith.

List of Corporations Without Share Capital—*Continued.*

Name of Corporation	Place
Healey Athletic Club	Port Colborne.
Hebrew Men of England Congregation, The	Toronto.
Hiawatha Athletic Club, The	Toronto.
Hoy Yin Association	Toronto.
I	
International Society for Lymphatic Research	Toronto.
International Tourists' Association	Toronto.
Italian Mutual Aid Society of Welland, The	Welland.
K	
K. & S. Employees Social and Athletic Club, The	Toronto.
Kenty County Potato Growers' Co-operative, Limited	Blenheim.
Keswick Beach Association	Keswick.
Kwong Hoi Leun Hop Wai Association	Toronto.
L	
Labour Representation Political Association, The	Toronto.
Lawyers' Club, The	Toronto.
Le Cercle Notre-Dame	Ottawa.
London Labour Party	London.
Low Kong Brotherhood	Toronto.
M	
Maple Leaf Club of Guelph, The	Guelph.
Markdale Curling Club	Markdale.
Medical Research Institute of Hamilton	Hamilton.
Minto Skating Club, The	Ottawa.
Moderation League of Ontario, The	Toronto.
Monmouth Charitable Association, The	Wilberforce.
Mothers' Rest-a-While Association	Toronto.
Mountain Memorial Community Park (Inc.)	Mountain.
Murray Club	Windsor.
N	
Navy Island Game Association	Niagara Falls.
O	
Oakridge Veterans Club	Scarborough Tp.
Ontario Funeral Service Association	Toronto.
Ontario Ice Association (Inc.)	Toronto.
Ontario Retail Hardware Association	Prescott.
Oriental Club of Ottawa, The	Ottawa.
Oxford Holstein Breeders' Club	Woodstock.
Ottawa Gunners' Association	Ottawa.
P	
Preston Veterans' Association, The	Preston.
Protestant Girls' Club of Canada, The	Ottawa.
Q	
Queen City Yacht Club, The	Toronto.
R	
Royce Avenue District Merchants' Association, The	Toronto.

List of Corporations Without Share Capital—*Continued.*

Name of Corporation	Place
S	
Sandy Beach Athletic Association	Eastview Centre.
Sarnia City Athletic Club, The	Sarnia.
Sault Ste. Marie Law Association	Sault Ste. Marie.
Scottish Collegemen's Club of Canada	Toronto.
Seaforth Memorial Hospital Corporation, The	Seaforth.
St. Francis' Literary & Athletic Association	Toronto.
Sisters of St. Joseph for the Diocese of Pembroke in Canada	Pembroke.
Sunnyside Canoe Club, Inc.	Toronto.
T	
Timmins Golf Club	Timmins.
Toronto Heliconian Club	Toronto.
Toronto Ladies' Swimming Club	Toronto.
Toronto Motorcycle Club, The	Toronto.
Toronto Publicity Bureau	Toronto.
Toronto Section Council of Jewish Women	Toronto.
Toronto Young Men's and Young Women's Hebrew Association	Toronto.
Trinity Evangelical Lutheran Church	Windsor.
True Christian Church Publishing Society of Canada, The	Toronto.
U	
Ukrainian Labour Temple Association of Ontario, The	Toronto.
V	
Verschoyle Farmers' Co-operative Company, Limited, The	Mount Elgin.
Veterans' Re-establishment Association	Ottawa.
W	
War Memorial Committee of Pembroke	Pembroke.
West Toronto Bowling and Athletic Club	Toronto.
Westmount Ratepayers' Association	Weston.
Y	
York County Hospital Corporation, The	Newmarket.

List of Corporations to Which Supplementary Letters Patent were Issued.

Name	Date
A	
Ackerman, Dawson Co., Limited (reducing capital from $40,000 to $10,000)	Sept. 14, 1922.
Aero Cushion Inner Tire and Rubber Company of Ontario, Limited, The (increasing capital from $300,000 to $500,000)	Nov. 28, 1921.
Alco Dress Company, Limited (increasing capital from $40,000 to $100,000)	Aug. 3, 1922.
Arcade, Limited The (increasing capital from $1,000,000 to $2,000,000)	May 22, 1922.
B	
Beaumont Gold Mines, Limited (no personal liability), (increasing capital from $2,000,000 to $3,000,000)	Sept. 28, 1922.
Bituminous Spraying and Contracting Company, Limited, The (changing head office from city of Hamilton to city of Toronto)	Feb. 2, 1922.
Border Masonic Temple Association, Limited, The (increasing capital from $100,000 to $300,000)	March 30, 1922.
Boston Creek Mining Company, Limited (no personal liability), (increasing capital from $2,000,000 to $4,000,000)	June 17, 1922.
Bourkes Mines, Limited (no personal liability), increasing capital from $2,500,000 to $5,000,000)	Dec. 9, 1921.
Bradshaw's, Limited (increasing capital from $50,000 to $150,000)	Sept. 2, 1922.
Brockville Lumber Corporation, Limited, The (amending clause (*b*) of powers contained in L.P. (dated May 7, 1921, by striking out word "Limited" in the last line)	Nov. 3, 1921.
Buchanan-Duncan Motors, Limited (changing name to Duncan Miskelly Motors; increasing capital from $40,000 to $100,000)	July 21, 1922.
Burns Hardware, Limited (extending the objects of the company; authorizing company to pay a commission on the sale of its shares)	July 24, 1922.
Byron Telephone Company, Limited, The (confirming by-laws of the Company authorizing the issue of its bonds)	July 12, 1922.
C	
Canada Spool and Bobbin Company, Limited (redividing existing shares and increasing capital from $30,000 to $100,000)	May 30, 1922.
Canadian Dyers Association, Limited (increasing capital from $110,000 to $250,000)	Jan. 25, 1922.
Canadian Kirkland Gold Mining Company, Limited (no personal liability), (increasing capital from $2,000,000 to $3,500,000)	Oct. 27, 1922.
Canadian Marble Quarries, Limited (no personal liability) (decreasing capital from $2,000,000 to $800,000 and converting and redividing 80,000 of remaining shares into preference shares)	Dec. 30, 1921.
Canadian Non-Metallic Minerals, Limited (No personal liability) (increasing capital from $40,000 to $100,000)	Feb. 18, 1922.
Canadian Service Stations, Limited (increasing capital from $10,000 to $100,000)	July, 8, 1922.
Capital Wire Cloth & Manufacturing Company, Limited, The (increasing capital from $40,000 to $100,000)	June 28, 1922.
Cast Stone Block and Machine Company, Limited (Increasing capital from $30,000 to $100,000)	Dec. 15, 1921.
Cobourg Felt Company, Limited, The (increasing capital from $200,000 to $400,000)	Jan. 23, 1922.
Confederation Securities Company, Limited, The (increasing capital from $40,000 to $500,000)	Dec. 14, 1921.
Consumers' Gas Company of Toronto, The (increasing capital from $6,000,000 to $12,000,000; providing for holding of annual general meeting of shareholders of the Company; providing for sale of unsubscribed capital of Company by public auction or tender)	Dec. 9, 1921.
Continental Mines, Limited (no personal liability) (redividing capital of the Company and increasing from $2,500,000 to $3,500,000)	Sept. 13, 1922.
Cornwall Pulp and Paper Company, Limited, The (increasing capital from $200,000 to $600,000)	Feb. 17, 1922.

List of Corporations to Which Supplementary Letters Patent Were Issued—*Continued.*

Name	Date
D	
Dobsons Groceteria, Limited (extending the objects of the Company; authorizing Company to pay a commission on the sale of its shares; authorizing distribution of assets)	May 3, 1922.
Dome Mines Company, Limited, The (no personal liability) (decreasing capital from $5,000,000 to $4,000,000)	March 17, 1922.
Dominion Cloak Company, Limited (decreasing capital from $150,000 to $100,000)	Jan. 9, 1922.
Dominion Silk Mills, Limited (converting Company into a private Company)	Sept. 20, 1922.
Drimilk Company, Limited, The (increasing capital from $150,000 to $250,000)	June 10, 1922.
Duffy Hardware Company, Limited (providing that common shareholders shall have no voting power)	March 18, 1922.
Dumarts Packing Company, Limited (changing name to The Dumart Packing Company, Limited; authorizing Company to pay a commission on the sale of its shares)	Feb. 16, 1922.
E	
East End Garage Company of St. Catharines, Limited, The (increasing capital from $12,000 to $50,000)	Dec. 13, 1921.
Eldon Creamery, Limited (converting common shares into preference shares)	Jan. 15, 1922.
Electro Chemical Company, Limited, The (authorizing Company to pay a commission on the sale of its shares)	May 4, 1922.
F	
Federal Advertising Agency, Limited (increasing capital from $50,000 to $100,000)	Nov. 16, 1921.
Fidelity Service Corporation, Limited (redividing capital of the Company; converting common shares into preference shares)	April 5, 1922.
G	
General Examining and Developing Company, Limited (no personal liability) (decreasing capital from $1,500,000 to $800,000)	Dec. 12, 1921.
Globe Securities, Limited (decreasing capital from $40,000 to $2,588)	July 11, 1922.
Good Manufacturing Company of Canada, Limited (redividing capital of the Company; increasing capital from $3,000 to $60,000)	Oct. 26, 1922.
Grace Mining Company, Limited, The (no personal liability) (redividing capital of the Company; increasing capital from $1,000,000 to $5,000,000)	June 21, 1922.
Greb Shoe Company, Limited (amending preference share clauses; increasing capital from $40,000 to $250,000)	June 13, 1922.
Growers Cold Storage & Ice Company, Limited, The (increasing capital from $100,000 to $200,000)	Aug. 22, 1922.
H	
Hall & Holcomb, Limited (changing name to Geo. P. Harris, Limited; extending the objects of the Company.)	Feb. 23, 1922.
Hamilton Gas Mantle Company, Limited, The (changing name to Dixons, Limited; increasing capital from $40,000 to $100,000; extending and varying the objects of the Company)	Oct. 10, 1922.
Hamilton Home Builders, Limited (authorizing Company to pay a commission on the sale of its shares)	Feb. 4 1922.
High Park Club, Limited, The (increasing capital from $20,000 to $40,000)	Dec. 7, 1921.
Hodder & Stoughton, Limited (increasing capital from $40,000 to $100,000).	Nov. 25, 1921.
Hope Manufacturing Company, Limited (increasing capital from $40,000 to $100,000)	Feb. 23, 1922.
Humberstone Shoe Company, Limited (increasing capital from $100,000 to $250,000)	Sept. 15, 1922.
Hunter and Company, Limited (converting common shares into preference shares)	Feb. 23, 1922.
Hutchins Co., Limited, John B. (increasing capital from $50,000 to $100,000)	Nov. 23, 1921.

List of Corporations to Which Supplementary Letters Patent Were Issued—*Continued.*

Name	Date
I	
Interprovincial Flour Mills, Limited (increasing capital from $500,000 to $1,100,000)	June 15, 1922.
K	
Kindel Bed Company, Limited (changing name to Kroehler Mfg. Co., Limited; increasing capital from $100,000 to $500,000)	June 8, 1922.
King Edward Construction Company, Limited, The (confirming by-law of the Company)	Jan. 16, 1922.
King Kirkland Gold Mines, Limited (no personal liability) (increasing capital from $2,500,000 to $5,000,000)	Dec. 8, 1921.
Koo-Shog Summer Hotel Company, Limited (changing name to Haliburton Highland Resorts, Limited; authorizing Company to pay a commission on the sale of its shares)	May 19, 1922.
L	
Langley Harris & Company, Limited (decreasing capital from $200,000 to $180,000)	April 24, 1922.
Lever Brothers, Limited (increasing capital from $4,000,000 to $6,000,000)	Dec. 16, 1921.
Loblaw Groceterias Co., Limited (increasing capital from $600,000 to $1,360,000; varying and amending preference share clauses)	Aug. 19, 1922.
London Shipping Containers, Limited (increasing capital from $50,000 to $200,000)	Sept. 19, 1922.
Lorne Tractors, Limited (extending objects of the Company; authorizing Company to pay a commission on the sale of its shares)	July 27, 1922.
M	
Mackey's Bread Limited (increasing capital from $40,000 to $500,000)	April 24, 1922.
Magasin Co-operative de Verner, Limited (increasing capital from $10,000 to $20,000)	Dec. 27, 1921.
Maple Leaf Hosiery Company, Limited (converting into a Public Company; increasing capital from $40,000 to $100,000)	June 27, 1922.
Matachewan Power Company, Limited (increasing capital from $1,000,000 to $2,000,000)	Oct. 10, 1922.
McEnaney Gold Mines, Limited, The (no personal liability) (increasing capital from $3,000,000 to $4,000,000)	Oct. 23, 1922.
McFall, Limited (changing name to Diadem Flour Company, Limited; amending preference share clauses; extending the objects of the Company)	June 20, 1922.
McIntyre-Porcupine Mines, Limited (no personal liability) (redividing capital of the Company)	Feb. 23, 1922.
Mechanical Trades Company, Limited (increasing capital from $40,000 to $150,000)	May 9, 1922.
Mersea Farmers, Limited (changing name to Mersea Farmers Co-operative Company, Limited; declaring Company to be subject to Part XI of The Ontario Companies Act)	March 31, 1922.
Miller-Kinghan Stores, Limited (providing for quorum of board of directors)	June 30, 1922.
Moffatt-Hall Gold Mines, Limited (no personal liability) (increasing capital from $3,000,000 to $5,000,000)	May 23, 1922.
Mueller M'f'g. Co., Limited (converting common shares into preference shares)	Oct. 4, 1922.
Municipal Bankers Corporation, Limited (extending the objects of the Company)	Jan. 16, 1922.
N	
Nicholson, Limited, J. B. (increasing capital from $40,000 to $250,000)	March 21, 1922.
North Renfrew Telephone Company, Limited (increasing capital from $4,000 to $25,000; extending the objects of the Company)	March 21, 1922.
Northern Hotels, Limited (increasing capital from $150,000 to $700,000)	Jan. 2, 1922.

List of Corporations to Which Supplementary Letters Patent Were Issued—*Continued.*

Name	Date
O	
Oakwood Lawn Bowling Club, Limited, The (changing name to The Oakwood Club, Limited; increasing capital from $40,000 to $75,000)	March 21, 1922.
Ontario Out-of-Season Growers, Limited (amending preference share clauses)	April 22, 1922.
Orton Motor Company, Limited (converting common shares into preference shares)	May 6, 1922.
P	
Palmerston Skating Rink Company, Limited, The (increasing capital from $5,000 to $40,000)	Oct. 23, 1922.
Panels, Limited (increasing capital from $20,000 to $150,000)	Nov. 30, 1921.
Paris Knitting Company, Limited (converting certain preference shares into classes "A" and "B" preference shares)	Oct. 18, 1922.
Pioneer Telephone Company, Limited, The (increasing capital from $1,000 to $1,750)	May 25, 1922.
Porcupine-Crown Mines, Limited (no personal liability) (increasing capital from $2,000,000 to $4,000,000)	Aug. 18, 1922.
Port Milford Canning Company, Limited (increasing capital from $100,000 to $150,000)	March 13, 1922.
Premier Tire and Rubber Company, Limited (increasing capital from $500,000 to $1,000,000; extending objects of the Company)	Dec. 20, 1921.
Producers Creamery Company, Limited, The (changing name to The Producers Co-operative Creamery Company, Limited; declaring Company subject to Part XIA of The Ontario Companies Act)	May 26, 1922.
R	
Regent Amusement Enterprises, Espanola, Limited (changing name to Stevens Theatres, Limited; converting common shares into preference shares)	June 28, 1922.
Reliance Shoe Company, Limited (increasing capital from $40,000 to $200,000)	July 7, 1922.
Resilient Air Cushion Bumper Company, Limited (changing name to Peerless Bumper & Accessories, Limited; converting common shares into preference shares; authorizing Company to pay a commission on the sale of its shares)	April 19, 1922.
Rosevale Realty Company, Limited, The (cancelling one hundred and fifty shares of the Company; increasing capital to $250,000)	March 29, 1922.
S	
Scheuer, Limited, Edmund (decreasing capital from $150,000 to $75,000)	May 4, 1922.
Searchmont Lumber Company, Limited (increasing capital from $100,000 to $250,000)	June 29, 1922.
Shevlin-Clarke Company, Limited (extending objects of the Company; increasing capital from $2,200,000 to $4,000,000; confirming by-law of the Company	July 4, 1922.
Silver Spring Ice Company, Limited, The (extending objects of the Company)	Oct. 25, 1922.
Simcoe Shoe & Glove Company, Limited, The (changing name to The Simcoe Mitt & Glove Company, Limited; increasing capital from $40,000 to $90,000)	May 29, 1922.
Smyth & Company, J. F. (increasing capital from $100,000 to $300,000)	July 8, 1922.
Spirella Securities, Limited (increasing capital from $250,000 to $500,000; authorizing Company to hold meetings of shareholders outside the Province; providing for quorum of directors)	Oct. 31, 1922.
St. Clair Construction Company, Limited (increasing capital from $40,000 to $200,000)	March 21, 1922.
St. Mary's Hardware, Limited (converting first and second preference shares into preference shares; increasing capital from $40,000 to $150,000)	Sept. 29, 1922.
St. Marys Wood Specialty Co., Limited (converting common shares into preference shares)	July 21, 1922.
Standard Drug, Limited (increasing capital from $25,000 to $100,000)	March 3, 1922.
Steacy's, Limited (increasing capital from $100,000 to $200,000)	Oct. 17, 1922.

List of Corporations to Which Supplementary Letters Patent Were Issued—*Continued.*

Name	Date
Storage and Transfer Company, Limited (decreasing capital from $40,000 to $30,000)	March 7, 1922.
Stormont Electric Light and Power Company, Limited, The (decreasing capital from $200,000 to $150,000)	Sept. 15, 1922.
Swedish General Electric, Limited (extending the objects of the Company)	May 18, 1922.
T	
Teck-Hughes Gold Mines, Limited (no personal liability), (increasing capital from $2,500,000 to $4,000,000)	Dec. 8, 1921.
Toronto Hosiery Company, Limited (increasing capital from $100,000 to $250,000)	Feb. 25, 1922.
Toronto Iron Works, Limited, The (decreasing capital from $200,000 to $100,000)	June 13, 1922.
U	
United Gas and Fuel Company of Hamilton, Limited (redividing capital of the Company; increasing capital from $1,000,000 to $2,000,000)	March 2, 1922.
V	
Valley Securities Company, Limited, The (increasing capital from $100,000 to $500,000)	Dec. 6, 1921.
W	
Wright-Hargreaves Mines, Limited (no personal liability), authorizing Company to hold meetings of shareholders outside the Province)	August 8, 1922.
Y	
York Knitting Mills, Limited (converting common shares into preference shares)	Jan. 20, 1922.
Z	
Zuber Manufacturing Company, Limited (converting into a public company)	April 12, 1922.

Corporations Whose Names Were Changed by Order.

From	To	Date
A		
Acme Waste & Woolstock Corporation, Limited	Acme Waste & Woolstox, Limited	Oct. 12, 1922.
Advertiser Job Printing Company, Limited, The	Hayden Press, Limited	May 1, 1922.
Automobile Club of Canada, Limited	Automobile Club of Ontario, Limited.	Nov. 9, 1921.
B		
Betsy Ross Confections, Limited	Fannie May Confections, Limited	March 24, 1922.
Border Cities Oil and Gas Company, Limited	Border Cities Brick and Tile Company, Limited	August 14, 1922.
Building Supplies, Limited	McDermid Building Supplies, Limited.	June 6, 1922.
Burnand Gold Mines, Limited. (No (personal liability)	Phosphate and Metals Mining, Limited (No personal liability)	April 1, 1922.
C		
Canadian Printing Company of Sarnia, Limited	MacAdams, Limited	Sept. 13, 1922.
Carleton Drug Company, Limited	Garland Drug Store, Limited	August 30, 1922.
Concrete Brick Company of Canada, Limited	Border Builders' Supply Company, Limited	June 6, 1922.
D		
Dye Intermediates, Limited	Dominion Dyestuffs, Limited	March 13, 1922.
F		
Farmers Mutual Millers, Limited	Canada Flour Mills Company, Limited	Feb. 9, 1922.
Financial Service Company, Limited	Scott Company, Limited, R. T.	May 18, 1922.
Flower Shops, Limited	Simmons & Son, Limited	Jan. 25, 1922.
G		
General Adjustment Bureau of Canada, Limited, The	Adamsons, Limited	Dec. 31, 1921.
H		
Henderson Electric Company, Limited	Sterling Electric Company, Limited	Sept. 16, 1922.
I		
Intercity Transport, Limited	Inter-Urban Transport, Limited	July 13, 1922.
J		
Justrite Specialty Company, Limited	Girls' Garments, Limited	Sept. 1, 1922.
K		
Keele & Moore, Limited	Armstrong Motors, Limited	August 21, 1922.
Kenwood Community, Limited	Toronto Sweets, Limited	March 4, 1922.
L		
Lake Simcoe Ice Supply and Cold Storage Company, Limited, The	Lake Simcoe Ice Company, Limited	Nov. 15, 1921.
Lincoln Bond Corporation, Limited	H. E. Rose & Co., Limited	April 6, 1922.

Corporations Whose Names Were Changed by Order—*Continued.*

From	To	Date
M		
McEnaney Gold Mines, Limited, The. (No personal liability)	Northern Ontario Gold Mines, Limited. (No personal liability)	Oct. 29, 1921.
McQuay-Norris-Banfield Co., Limited.	McQuay-Norris Mfg. Co. of Canada, Limited	Jan. 21, 1922.
Moore, Limited, H. B.	Moore & Hughes, Limited	Nov. 22, 1921.
N		
Northern Ontario Gold Mines, Limited. (No personal liability)	McEnaney Gold Mines, Limited, The. (No personal liability)	August 16, 1922.
O		
Oil Shares Brokerage, Limited	Fairn, Ferris & Nelson, Limited	Feb. 17, 1922.
O'Keefe Brewery Company of Toronto, Limited, The	O'Keefe's Beverages, Limited	Jan. 3, 1922.
Ontario Iron and Lumber Company, Limited, The	The Lake Superior Metals Company, Limited	March 20, 1922.
Ontario Motor Supply Company, Limited	Cartage & Transfer, Limited	Dec. 28, 1921.
Orillia General Hospital, The	Orillia Soldiers' Memorial Hospital	Nov. 26, 1921.
P		
Pett Baking Company, Limited	National Bread and Biscuit Company, Limited	April 18, 1922.
Porter Gold Mines, Limited. (No personal liability)	Goudreau Gold Mines, Limited. (No personal liability)	Dec. 7, 1921.
R		
Rockcliffe Securities, Limited	Soper Securities, Limited	August 29, 1922.
S		
Sanitary Sheet Metal Containers, Limited	Mercantile Products, Limited	Feb. 17, 1922.
Silverado Extension Limited. (No personal liability)	The Pioneer Prospectors, Limited. (No personal liability)	Feb. 22, 1922.
Scott-Chamberlain, Limited	Scott-McHale, Limited	Feb. 25, 1922.
See and Smith Motors, Limited	See and Duggan Motors, Limited	Oct. 27, 1922.
Select Lingerie, Limited	Holford Manufacturing Company, Limited, The	June 1, 1922.
Shoup Company, Limited, A. D.	The A. D. Shoup Company, Limited.	March 24, 1922.
Shuttleworth Chemical Company, Limited, The E. B.	Toronto Office Building, Limited	July 27, 1922.
Superior Macaroni Company, Limited, The	The Superior Macaroni and Produce Company, Limited	Feb. 18, 1922.
T		
Tuck-Rich Cafeterias, Limited	Tuckers Cafeterias, Limited	Sept. 22, 1922.
U		
United Cigar Stores, Limited	Tobacco Holdings, Ontario, Limited.	Nov. 9, 1921.
V		
Vanatter and Company, Limited, C. R.	Vannatter and Ham, Limited	July 24, 1922.
Victor Saw Works, Limited	Hamilton Saw Works, Limited	April 28, 1922.
W		
Westcott Company, Limited, R.	Ernest Clarke, Limited	Dec. 21, 1921.

Orders Authorizing Companies to Keep Books Outside of Ontario.

Name	Date
Dunham Company, Limited, C. A.	April 20, 1922.
Montreal-Ontario Mines, Limited. (No personal liability)	May 11, 1922.
Night Hawk Peninsular Mines, Limited. (No personal liability)	May 11, 1922.

List of Corporations Whose Charters Were Surrendered or Cancelled or Whose Existence Was Terminated Otherwise.

Name of Corporation	Date of Order	Date of Dissolution
A		
Aikenhead Architectural Metal Works, Limited	Dec. 3, 1921.	Dec. 26, 1921.
Alpha Delta Phi House of Toronto, Limited, The	Oct. 10, 1922.	Nov. 6, 1922.
Armstrong Montgomery Company, Limited, The	Feb. 22, 1922.	March 20, 1922.
B		
Bankers Investments, Limited	March 9, 1922.	April 3, 1922.
Bassett Steamship Company, Limited	August 22, 1922.	Sept. 18, 1922.
Bathurst Land and Development Company, Limited	July 24, 1922.	August 21, 1922.
Baxter Grain & Stock Co-operative Association, Limited	Dec. 27, 1921.	Jan. 23, 1922.
Bethanbreck Orchards, Limited	Feb. 8, 1922.	March 6, 1922.
Bishop Company, Limited, The J. H.	April 3, 1922.	May 1, 1922.
Border Cities Tool Company, Limited, The	March 6, 1922.	April 3, 1922.
Bowman Lumber Company, Limited, The J. H.	Feb. 13, 1922.	March 13, 1922.
Brantford and Oakland Road Company, Limited, The	Dec. 12, 1921.	Jan. 9, 1922.
Brantford Textile Company, Limited	Oct. 14, 1922.	Nov. 6, 1922.
Brownlee, Limited, A. H.	June 12, 1922.	July 10, 1922.
C		
Canada Lumber Company, Limited	Sept. 2, 1922.	Sept. 25, 1922.
Canadian-Detroit Steel Products, Limited	Nov. 14, 1921.	Dec. 12, 1921.
Canadian Import Fruit Company, Limited	Feb. 2, 1922.	Feb. 27, 1922.
Canadian Kodak Company, Limited	Jan. 25, 1922.	Feb. 20, 1922.
Canadian Woman's Magazine Publishing Company, Limited, The	Oct. 24, 1922.	Nov. 20, 1922.
Carey Piano and Music Company, Limited	July 24, 1922.	August 28, 1922.
Central Operating Company, Limited. (No personal liability)	June 22, 1922.	July 17, 1922.
Clapp Littlejohn, Limited	Jan. 25, 1922.	Feb. 20, 1922.
Coleman Baking Company, Limited, The George	July 8, 1922.	July 31, 1922.
Crystal Products, Limited	Oct. 11, 1922.	Nov. 6, 1922
D		
Dominion Cloak Company, Limited	August 9, 1922.	Sept. 11, 1922.
Dumarts, Limited	May 8, 1922.	May 29, 1922.
Dyas Publishing Company, Limited, The W. J.	June 14, 1922.	July 3, 1922.
E		
Eyer Lumber Company, Limited, The	Oct. 9, 1922.	Nov. 6, 1922.
F		
Fuller Brush Company, Limited	Feb. 20, 1922.	March 20, 1922.
G		
Gagnier, Limited, H.	Oct. 24, 1922.	Nov. 20, 1922.
Greig-Morris & Blair, Limited	Feb. 14, 1922.	March 13, 1922.
H		
Hamilton Stock Brick Supply Company, Limited	July 31, 1922.	August 28, 1922.
Hickey's, Limited	Jan. 17, 1922.	Feb. 13, 1922.
Hubbard & Company, Limited, W. H.	Oct. 20, 1922.	Nov. 13, 1922.
I		
Ives Modern Bedstead Company, Limited, The	Nov. 21, 1921	Dec. 19, 1921.

List of Corporations Whose Charters Were Surrendered or Cancelled or Whose Existence Wa
Terminated Otherwise—*Continued.*

Name of Corporation	Date of Order	Date of Dissolution
K		
Kennedy Hardware Company, Limited, The	Oct. 6, 1922.	Oct. 30, 1922.
Kindling Wood Company, Limited, The	Jan. 31, 1922.	Feb. 27, 1922.
M		
Marburg Brothers, Limited	Sept. 12, 1922.	Oct. 9, 1922.
McQuay Tanning Company, Limited, The	April 20, 1922.	May 15, 1922.
Mikado Consolidated Gold Mines, Limited, The. (No personal liability)	Feb. 3. 1922.	Feb. 27, 1922.
Monarch Pure Food Company, Limited	Feb. 6, 1922.	March 6, 1922.
Morris, Limited, W. D.	Nov. 1, 1921.	Nov. 28, 1921.
Mutual Credit Corporation, Limited	Feb. 14, 1922.	March 13, 1922.
N		
Napanee Waterworks Company	Dec. 15, 1921.	Jan. 16, 1922.
Niagara Citizens Co-operative Association, Limited	Jan. 23, 1922.	Feb. 20, 1922.
Nipissing Lumber Company, Limited, The	July 19, 1922.	August 14, 1922.
Northway Bros. & Winger, Limited	July 7, 1922.	July 31, 1922.
O		
Oddfellows Temple Building Association, Walkerville, Limited	March 16, 1922.	April 10, 1922.
Ontario Felt Company, Limited, The	Jan. 19, 1922.	Feb. 13, 1922.
Ontario Yarn Company, Limited, The	Nov. 16, 1921.	Dec. 12, 1921.
Ottawa, Montreal and Russell Consolidated Road Company, The	July 7, 1922.	July 31, 1922.
P		
Paine Company, Limited, The John B.	March 6, 1922.	April 3, 1922.
Paris Amateur Athletic Association, Limited, The	Jan. 16, 1922.	Feb. 13, 1922.
Petrolia Printing & Publishing Company, Limited	April 4, 1922.	May 1, 1922.
Ponsford, Limited, A. E.	July 31, 1922.	August 28, 1922.
Purity Popcorn Company, Limited, The	Feb. 20, 1922.	March 20, 1922.
R		
Reliance Lumber & Builders' Supplies, Limited	May 30, 1922.	June 26, 1922.
Rockliffe Property Company, Limited	Nov. 4, 1921.	Nov. 28, 1921.
S		
Saturday Night, Limited	Oct. 24, 1922.	Nov. 20, 1922.
Scott Coal Company, Limited, W. R.	Dec. 2, 1921.	Dec. 26, 1921.
Scott-Millar Coal Company, Limited	Dec. 12, 1921.	Jan. 9, 1922.
Shannon & Quinn, Limited	May 13, 1922.	June 5, 1922.
Simcoe Tanning and Fur Dressing Company, Limited, The.	May 6, 1922.	May 29, 1922.
South West Porcupine Syndicate, Limited. (No personal liability)	April 18, 1922.	May 15, 1922.
Stanley, Mills & Co., Limited	Oct. 13, 1922.	Nov. 6, 1922.
Stollery-Teasdall, Limited	May 3, 1922.	May 29, 1922.
T		
Taylor Portable Steel Derrick, Limited	Dec. 3, 1921.	Dec. 26, 1921.
Temagami Steamboat and Hotel Company, Limited	Oct. 30, 1922.	Nov. 27, 1922.
Thompson Lace & Veiling Company, Limited, The	April 4, 1922.	May 1, 1922.
Tobin Arms Manufacturing Company, Limited	Nov. 24, 1921.	Dec. 19, 1921.

List of Corporations Whose Charters Were Surrendered or Cancelled or Whose Existence Was Terminated Otherwise—*Continued.*

Name of Corporation	Date of Order	Date of Dissolution
U		
United Securities Corporation, Limited	July 11, 1922.	August 7, 1922.
V		
Vulcan Company, Limited, The	May 29, 1922.	June 26, 1922.
W		
Williams, Greene & Rome Company, Limited, The	March 30, 1922.	April 24, 1922.
Woodstock Lumber and Manufacturing Company, Limited, The	Nov. 24, 1921.	Dec. 19, 1921.

List of Corporations Licensed to do Business in Ontario.

Name of Corporation	Where Incorporated	Attorney for Service
A		
American Optical Company of Canada, Limited, The	Quebec	Frank Erichsen Brown.
Auto Specialties Manufacturing Company, The	California	William Henry Cantelon.
B		
Balsamea Products, Limited	British Columbia	Alexander John Russell Snow.
Barber Asphalt Company, The	West Virginia	I. F. Helmuth.
Bates & Rogers Construction Company	Illinois	D. E. Mather.
Beaulah, Limited, J. & J.	Great Britain and Ireland	Robert Michael Willes Chitty.
British and Colonial Furniture Company, Limited, The	Great Britain and Ireland	Colin John Lappin.
British Dyestuffs Corporation, Limited	Great Britain and Ireland	Samuel G. Crowell.
Burton Coal Company, The J. P.	Ohio	Samuel G. Crowell.
C		
Canadian Atlas Crucible Steel Company, Limited	Dominion	D. W. Lathrop.
Canada Carbide Company, Limited	Dominion	F. G. Tripp.
Canada Corn Products Company, Limited, The	Dominion	Archibald Alexander Campbell.
Canadian Automatic Fire Alarm Company, The	Delaware	J. Shirley Denison.
Canadian Holt Company, Limited	Alberta	G. W. Mason.
Canada Motor Car Company	Quebec	Paul Leduc.
Canadian Porcelain Company, Limited	Dominion	Thomas Baker McQuesten.
Canadian Shovel and Tool Company, Limited, The	Dominion	Frederick Skelton.
Clark Metal Last Company, George C.	Michigan	E. Blake Winter.
Chipman-Holton Knitting Company, Limited, The	Dominion	Mark Baldwin Holton.
Colman-Keen (Canada), Limited	Great Britain and Ireland	Herbert Carteighe Mayben.
Comey Company, Limited, R. H.	Dominion	Ernest F. Murphy.
Coniagas Alkali and Reduction Company, Limited	Dominion	James J. Mackan.
Crown Cork and Seal Company, Limited	Dominion	Orlo Lovejoy Waugh.
D		
Dayton-Wright Company	Delaware	Thomas Gibson.
Delany & Pettit, Limited	Dominion	Charles Stanley Pettit.
Di Giorgio Fruit Corporation	Delaware	F. S. Gibson.
Dominion Insulator & Manufacturing Company, Limited	Dominion	Robert Gowans.
Dryden Gold Corporation	New Jersey	Ernest G. Rognon.
E		
Ellis Adding-Typewriter Company, The	New Jersey	Eugene F. Stoll.
F		
Fidelity Securities Corporation, Limited	British Columbia	William Sydney Pratt.
Firestone Tire & Rubber Company of Canada, Limited	Dominion	Robert Herbert Jeffers.

List of Corporations Licensed to do Business in Ontario—*Continued.*

Name of Corporation	Where Incorporated	Attorney for Service
Fleischmann Company, The	Ohio	H. E. Grant.
Ford-Smith Machine Company, Limited, The	Dominion	Percy Ford-Smith.
G		
Galt Brass Company, Limited	Dominion	Robert Johnson Cluff.
General Forgings & Stampings, Limited	Dominion	F. N. Hara.
Globe Automatic Sprinkler Company of Canada, Limited	Dominion	Arthur Wellesley Holmested.
H		
Hamilton Cotton Company, Limited, The	Dominion	William Armstrong.
Hamilton Tar Products Company, Limited, The	Dominion	William Mark Currie.
Hart Battery Company, Limited	Dominion	Allan T. Lewis.
Hendrie Investment Company, Limited	Dominion	Theodore Milner Poulter.
Hinchliffe & Sons, Limited	Great Britain and Ireland	Alexander Fasken.
H-O Cereal Company, Inc., The	New York	Daniel H. Dedo.
Huron Acceptance Corporation	Michigan	Norman St. Clair Gurd.
I		
Ingram Company, The G. A.	Michigan	William D. West.
International Creamery Company, Limited, The	Dominion	Charles Patrick McTague.
Investors Service Corporation of Canada, Limited	Dominion	....
J		
Jackson, Platt, Cady and Company	Michigan	Roscoe S. Rodd.
L		
Lalley Realty Company	Michigan	Ernest S. Wigle.
Lea & Perrins, Limited	Great Britain and Ireland	Henry Tonkinson Jamieson.
Leddy-McFarlane, Limited	Dominion	James Joseph Leddy.
M		
Maxwells, Limited	Dominion	David Maxwell.
McBride & Co., Limited, Robert	Great Britain and Ireland	Timothy Lochead Brown.
McGiverin-Haldeman Company	Michigan	....
McGregor Shirt Company, Limited	Dominion	Robert Burlington McGregor.
McLaughlin Company, W. B.	Michigan	Charles Patrick McTague.
Mead, Johnson & Company	Indiana	George Henry Riches.
Meccano, Limited	Great Britain and Ireland	Wilfred Jones.
Mills Securities, Limited, The	Dominion	Charles Mills.
Montreal and Cornwall Navigation Company, Limited, The	Dominion	Robert Smith.
Morris Realty, Limited, W. D.	Dominion	George B. Acheson.
Mutual Brokers Winnipeg, Limited	Manitoba	Albert George Halstead.
N		
New York Color and Chemical Company, Inc.	New York	Thomas Herbert Barton.

List of Corporations Licensed to do Business in Ontario—*Continued.*

Name of Corporation	Where Incorporated	Attorney for Service
Newhall Company, The	Ohio	Hamilton James Stuart.
Northern Area Development Company, Limited	Dominion	J. Lorne McDougall.
Norton Company of Canada, Limited	Dominion	Edwin Donaldson Cahill.
P		
Paige Detroit Motor Car Company	Michigan	Russell Alexander Farrow.
Petrie Manufacturing Company, Limited	Dominion	Harold James Petrie.
Phillips Company, Limited, W. E.	Dominion	William Eric Phillips.
Pompeian Company, The	Ohio	Alan O. Haas.
Pratt & Lambert (Incorporated)	New York	Andrew E. Hay.
Q		
Q R S Music Company, The	Illinois	W. B. Puckett.
R		
Rambusch Decorating Company of Canada, Limited	Nova Scotia	Samuel Goodman Crowell.
Republic Truck Sales Corporation	Delaware	L. H. Ingram.
Richman Company, N. J.	New York	William Henry Steley.
S		
Salter & Arnold, Limited	Manitoba	George N. Kelley.
Schryver Limited, The de	New Zealand	Frank R. Finlay.
Smith Scale Company, The	Ohio	Thomas Cameron Urquhart.
Smith Paper Mills, Limited, Howard	Dominion	William J. Wallace.
Stadium of Ottawa, Limited	Dominion	D. O'Connor.
Sun-Maid Raisin Growers of Canada, Limited	Dominion	William F. Brainerd.
T		
Timken Roller Bearing Company, The	Ohio	Stanley S. Mills.
U		
University Estates, Limited	Manitoba	Frank M. Field.
United Art Company, Limited	Dominion	John Frederick Tidemann.
V		
Vauxhall Motors, Limited	Great Britain and Ireland	Alan B. Garrow.
Victor Saw Works, Inc.	New York	John A. Evans.
Vulcan Company, Limited, The	Dominion	Morley Winson Calcott.
W		
Woods, Limited, Walter	Dominion	Walter Woods.
Y		
Yale and Towne Manufacturing Company, The	Connecticut	S. G. Crowell.

List of Corporations to Which Licenses in Mortmain Were Issued.

Name of Corporation	Where Incorporated	Date
A		
American Piano Company	New Jersey.	Mar. 30, 1922.
Arabol Manufacturing Company of Canada, Limited, The	Dominion ..	Mar. 24, 1922.
B		
Ballantyne, Limited, R. M.	Dominion ..	Mar. 7, 1922.
Bates Valve Bag Company, Limited	Dominion ..	July 25, 1922.
Bayer Company, Limited, The	Dominion ..	Mar. 16, 1922.
Bean and Westlake, Limited	Dominion ..	June 14, 1922.
Bond Engineering Works, Limited	Dominion ..	July 6, 1922.
Booth, Limited, J. R.	Dominion ..	Jan. 4, 1922.
Boving Hydraulic and Engineering Company, Limited	Dominion ..	Aug. 18, 1922.
Bowser Company, Limited, S. F.	Dominion ..	Dec. 7, 1921.
Brantford Computing Scales, Limited	Dominion ..	Nov. 22, 1921.
Brantford Computing Scales, Limited	Dominion .	Mar. 3, 1922.
B		
Canada Wire and Cable Company, Limited	Dominion ..	Nov. 9, 1921.
Canadian Carbonate, Limited	Dominion ..	Nov. 9, 1921.
Canadian Carborundum Company, Limited	Dominion ..	June 6, 1922.
Canadian I. T. S. Rubber Company, Limited, The	Dominion ..	June 14, 1922.
Canadian Laundry Machinery Company, Limited, The	Dominion ..	June 6, 1922.
Carswell Construction Company, Limited	Dominion ..	June 14, 1922.
Cling-Cutlery Corporation of Canada, Limited	Dominion ..	Sept. 15, 1922.
Code Felt and Knitting Company, Limited, The	Dominion ..	July 6, 1922.
Commercial Motor Bodies & Carriages, Limited	Dominion ..	Aug. 1, 1922.
Continental Paper Products, Limited	Dominion ..	May 29, 1922.
D		
Dent, Griffin, Limited	Dominion ..	Aug. 18, 1922.
Doerr Company, Limited, The C. H.	Dominion ..	June 14, 1922.
Dominion Foundries and Steel, Limited	Dominion ..	Mar. 7, 1922.
Draper Manufacturing Company of Canada, Limited	Dominion ..	July 25, 1922.
Dwyer, Limited, W. H.	Dominion ..	May 29, 1922.
E		
Egg-O Baking Powder Company, Limited	Dominion ..	Nov. 9, 1921.
F		
Fegles Construction Company, Limited	Dominion ..	June 28, 1922.
Four Wheel Drive Auto Company, Limited	Dominion ..	July 25, 1922.
G		
Galena-Signal Oil Company of Canada, Limited	Dominion ..	Nov. 30, 1921.
Garde & Company, Limited, John	Dominion ..	June 28, 1922.
Gatineau Company, Limited	Dominion ..	Sept. 15, 1922.
Gill & Fortune Lumber Comapny, Limited	Dominion ..	Oct. 18, 1922.
Goodison Thresher Company, Limited, The John	Dominion ..	July 6, 1922.
Gotfredson-Joyce Corporation, Limited	Dominion ..	Nov. 17, 1921.
Gourlay, Winter & Leeming, Limited	Dominion ..	June 29, 1922.
Great Lakes Transportation Company, Limited	Dominion ..	July 25, 1922.
H		
Hamilton and Toronto Sewer Pipe Company, Limited, The	Ontario....	May 5, 1922.
Hawthorne Mills, Limited	Dominion ..	May 19, 1922.
Hawthorne Mills, Limited	Dominion ..	June 28, 1922.

List of Corporations to Which Licenses in Mortmain Were Issued—*Continued.*

Name of Corporation	Where Incorporated	Date
Hayes Wheel Company of Canada, Limited, The	Dominion	Oct. 12, 1922.
Hepburn, Limited, John T.	Dominion	Nov. 9, 1921.
Hercules Tire and Rubber Corporation, Limited, The	Dominion	Aug. 1, 1922.
Hillger Land Company, William	Michigan	Oct. 4, 1922.
His Master's Voice, Limited	Dominion	Feb. 15, 1922.
Hoover Suction Sweeper Company of Canada, Limited, The	Dominion	June 15, 1922.
Hyman Company, Limited, The C. S.	Dominion	Oct. 17, 1922.
I		
Inglis Company, Limited, The John	Dominion	May 11, 1922.
J		
Johnson Bros. Company, Limited	Dominion	June 6, 1922.
K		
Kaufman Rubber Company, Limited, The	Dominion	July 25, 1922.
Kerr Company, Limited, The Albert	Dominion	Dec. 7, 1921.
Kilgour Bros., Limited	Dominion	Dec. 7, 1921.
L		
Liggett Company, Limited, Louis K.	Dominion	Oct. 24, 1922.
Lincoln Mills, Limited	Dominion	June 8, 1922.
London & Petrolia Barrel Co., Limited, The	Dominion	June 28, 1922.
M		
Manischewitz Company, The B.	Ohio	Nov. 30, 1921.
Mercury Mills, Limited	Dominion	June 14, 1922.
Merritt and Company, Limited	Dominion	July 25, 1922.
Metropolitan Corporation, Limited	Dominion	Oct. 5, 1922.
Midland Shipbuilding Company, Limited	Dominion	July 6, 1922.
Missionary Society of the Church of England in Canada, The	Dominion	Mar. 30, 1922.
Moffats, Limited	Dominion	Mar. 24, 1922.
McAuliffe, Davis Lumber Co., Limited	Dominion	Oct. 25, 1922.
N		
Northern Buttons, Limited	Dominion	June 29, 1922.
O		
Ontario Jockey Club, The	Ontario	Mar. 20, 1922.
Oshkosh Overall Company, Limited	Dominion	Oct. 4, 1922.
Ottawa Paper Box Company, Limited	Dominion	Oct. 4, 1922.
P		
Peerless Cereal Mills, Limited	Dominion	Aug. 1, 1922.
Port Hope Sanitary Manufacturing Company, Limited	Dominion	Apr. 6, 1922.
R		
Renfrew Textiles, Limited	Dominion	May 10, 1922.
Robbins & Myers Company of Canada, Limited, The	Dominion	June 22, 1922.
Ruddy Manufacturing Company, Limited	Dominion	Mar. 30, 1922.
S		
Security Life Insurance Company of Canada, The	Dominion	Feb. 9, 1922.
Shore Brothers Company	California	Feb. 2, 1922.

List of Corporations to Which Licenses in Mortmain Were Issued—*Continued.*

Name of Corporation	Where Incorporated	Date
Shurly Company, Limited, T. F.	Dominion	Aug. 15, 1922.
Snyders, Limited	Dominion	Oct. 24, 1922.
Snyder Desk and Table Company, Limited	Dominion	Oct. 24, 1922.
Stamped & Enamelled Ware, Limited	Dominion	Aug. 15, 1922.
Stratford Bridge and Iron Works Company, Limited, The	Dominion	Aug. 11, 1922.
Superior Theatres, Limited	Dominion	June 28, 1922.
T		
Teasdall Hosiery Mills, Limited	Dominion	Aug. 3, 1922.
Telfer Biscuit Company, Limited	Dominion	Mar. 7, 1922.
Toronto Butchers' Supply Company, Limited	Dominion	July 6, 1922.
Turnbull Elevator Company, Limited	Dominion	Mar. 1, 1922.
Turner & Sons, Limited, J. J	Dominion	Sept. 21. 1922.
U		
Union Trust Company, The	Ohio	June 22, 1922.
United Cigar Stores, Limited	Dominion	July 12, 1922.
W		
Wampole & Co., Limited, Henry K.	Dominion	Sept. 15, 1922.
Weld Company, Limited, The William	Dominion	Nov. 9, 1921.
Weldon Court Realty Company, Limited	Dominion	May 1, 1922.
Wendigo Power Company, Limited, The	Dominion	July 13, 1922.
Whitney Hollinger Company, The	Michigan	May 11, 1922.
Wickett Company, Limited, H. A.	Ontario	Oct. 13, 1922.
Wilson Canadian Co., Limited	Dominion	May 31, 1922.
Wynnstay, Limited	Dominion	Nov. 22, 1921.

Corporation to Which Ferry License Was Issued.

Name	Where Operating	Date
Corporation of the Township of Wolfe Island	Between Wolfe Island and City of Kingston	Aug. 1, 1922

Proclamations Gazetted.

Name	Date
Re Withdrawal of the Town of Gananoque from the Jurisdiction of the United Counties of Leeds and Grenville	Oct. 21, 1922. Oct. 28, 1922. Nov. 4, 1922.
Re Bringing into force sections 1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 13 and 14 of The District of Cochrane Act, 1922, on Monday the second day of Otcober, A.D. 1922	Sept. 30, 1922. Oct. 7, 1922. Oct. 14, 1922.
Re Reward for information *re* death of Captain Orville Huston at the Town of Fort Frances on or about December 15, 1921	Mar. 4, 1922.
Re Convening of Legislative Assembly of the Province of Ontario on Tuesday, February 14, 1922	Jan. 14, 1922. Jan. 21, 1922. Jan. 28, 1922. Feb. 4, 1922. Feb. 11, 1922.
Re Reward for information leading to arrest and conviction of murderer or murderers of George Young (a Chinaman), murdered on or about October 24, 1921, in the Town of North Bay	Dec. 10, 1921. Dec. 17, 1921.
Re Bringing into force and effect on January 1, 1922, Rule 68 of section 164 of The Mining Act of Ontario, as set forth in section 13 of The Mining Amendment Act, 1919 (*re* testing of hoisting ropes)	Nov. 26, 1921. Dec. 3, 1921. Dec. 10, 1921. Dec. 17, 1921.
Re Authorizing the holding of the Sittings of the General Sessions of the Peace in and for the Provisional Judicial District of Temiskaming at the Town of New Liskeard	Nov. 25, 1922· Dec. 2, 1922 Dec. 9, 1922